

# EXHIBIT F

*Gary M. Vilke, M.D., FACEP, FAAEM  
11582 Normanton Way  
San Diego, California 92131  
(619) 666-8643*

June 26, 2023

Noah Blechman  
McNamara, Ambacher, Wheeler, Hirsig & Gray LL  
3480 Buskirk Avenue, Suite 250  
Pleasant Hill, CA 94523

*RE: Maria Cassandra Quinto-Collins, et al. v City of Antioch, et al.  
Case No: 4:21-cv-06094-VC*

### **Introduction**

I am a board-certified emergency department physician with substantial experience in cardiac arrest and sudden death. I am also an independent researcher on the physiologic effects of restraint procedures. My specific qualifications will be outlined in more detail at the end of this report.

I have been retained as an expert to review relevant materials and provide expert opinion on this matter on whether the actions of the Antioch police officers caused or contributed to the cardiac arrest and death of Mr. Angelo Quinto when he was having a mental health crisis and was being restrained by officers on December 24, 2020. After careful review, it is my opinion to a reasonable degree of medical certainty that Mr. Quinto's cardiac arrest and death was not caused by the restraining process. This opinion and related opinions are set forth in the expert report.

### **Materials Reviewed**

I have reviewed extensive materials pertaining to the above referenced case. This includes, but is not limited to:

### **1. Medical and Scientific Literature**

Chan TC, Vilke GM, Neuman T, Clausen JL: Restraint position and positional asphyxia. *Ann Emerg Med* 1997;30(5):578-586.

Chan TC, Vilke GM, Neuman T: Reexamination of custody restraint position and positional asphyxia. *Am J Forensic Med Pathol* 1998;19(3):201-205.

Chan TC, Neuman T, Clausen J, Eisele J, Vilke GM: Weight force during prone restraint and respiratory function. *Am J Forensic Med Pathol* 2004;25(3):185-189.

Michalewicz BA, Chan TC, Vilke GM, Levy SS, Neuman TS, Kolkhorst FW. Ventilatory and metabolic demands during aggressive physical restraint in healthy adults. *J Forensic Sci* 2007;52(1):171-175.

Savaser DJ, Campbell C, Castillo EM, Vilke GM, Sloane C, Neuman T, Hansen AV, Shah S, Chan TC. The effect of the prone maximal restrained position with and without weight force on cardiac output and other hemodynamic measures. *J Forens Leg Med*. 2013 Nov;20(8):991-5. Epub 2013 Aug 30.

Sloane C, Chan TC, Kolkhorst F, Neuman T, Castillo EM, Vilke GM. Evaluation of the Ventilatory Effects of the Prone Maximum Restraint Position (PMR) on Obese Human Subjects. *Forens Sci Int* 2014;237:86-9. Epub 2014;46(6):865-72. Epub 2014 Feb 14.

Kroll MW, Still GK, Neuman TS, Graham MA, Griffin LV. Acute forces required for fatal compression asphyxia: A biomechanical model and historical comparisons. *Med Sci and the Law*. 2017 Jan 1:25802417695711. [Epub ahead of print]

Kroll MW, Brave MA, Kleist SR, Ritter MB, Ross DL, Karch SB. Applied Force During Prone Restraint: Is Officer Weight a Factor? *Am J Forensic Med Pathol*. 2018 [Epub ahead of print]

Vilke GM. Restraint physiology: A review of the literature. *J Forensic Leg Med*. 2020 Oct;75:102056. doi: 10.1016/j.jflm.2020.102056. Epub 2020 Sep 15. PMID: 32956928; PMCID: PMC7490248.

Rao VJ and Wetli CV: The forensic significance of conjunctival petechiae. *Am J Forensic Med Path* 1988;9(1):32-34.1988.

Ely SF, Hirsch CS. Asphyxial deaths and petechiae: a review. *J Forensic Sci* 2000;45(6):1274-7.

Hostler D, Thomas EG, Emerson SS, Christenson J, Stiell IG, Rittenberger JC, Gorman KR, Bigham BL, Callaway CW, Vilke GM, Beaudoin T, Cheskes S, Craig A, Davis DP, Reed A, Idris A, Nichol G; The Resuscitation Outcomes Consortium Investigators. Increased survival after EMS

witnessed cardiac arrest. Observations from the Resuscitation Outcomes Consortium (ROC) Epistery-Cardiac arrest. Resuscitation. 2010 Jul;81(7):826-30. Epub 2010 Apr 18.

## 2. Case-Specific Materials

File/Document Name
<b>BATESTAMPED AND PRODUCED – Defendants</b>
APD 1-158 APD and DAO Reports
APD 159-171 CAD EVENTS
APD 172-212 TRANSCRIPTIONS
APD 213-239 CORONERS REPORT AND LAB REPORTS
APD 240-254 SEARCH WARRANTS
APD 255-351 ANGELO'S IPHONE EXTRACTION
APD 352-353 DISPATCH AUDIO AND 911 CALLS
APD 354 MARIA QUINTO CELL PHONE RECORDING
APD 355-356 SURVEILLANCE VIDEO
APD 357-370 INTERVIEWS
APD 371 SCENE PHOTOGRAPHS
APD 372 PHOTOS OF MARIA AND ISABELLE
APD 373 OFFICER PHOTOS
APD 374 CONTRA COSTA COUNTY CRIME LAB PHOTOS
APD 375 PHOTOS OF ANGELO QUINTO AT SDMC
APD 376 AUTOPSY PHOTOGRAPHS
APD 377-406 RELEVANT POLICIES
APD 407-743 – PERSONNEL RECS OF OFICERS
APD 744-802 – TRAINING LOGS OF OFFICERS
APD 803-851 – BECERRA AND PERKINSON INTERVIEW TRANSCRIPTS
APD 852-886 – QUINTO BERKELEY PD REPORTS
APD 887 AND 888 - AUDIO INTERVIEW OF BECERRA AND PERKINSON
<b>DEPOSITIONS WITH EXHIBITS</b>
Ogan – Vol. I
Ogan Vol. II
Ogan – Vol. III
Andrei Quinto
Becerra
Hopwood
Perkinson
Ulricksen
Shipilov
Isabella Quinto Collins
Robert Collins
Anders Clayton
Diktakis
Maria Quinto-Collins
<b>Docs from Ben (From Sheriff FSD)</b>
20-4400-1-20221213T191346Z-001 - CCC Crime Lab Photos
20-4400-3-20221213T210359Z-001 - Autopsy from Coroner's Office - 157 Photos

Crime Lab Reports, 20-4400-1, 20-440-3
<b>News articles</b>
FW Antioch police face claim over man's death (Angelo Quinto)
FW GL-014188 ANGELO QUINTO NEWS ARTICLE
Navy Veteran Dies After Police .....
SJMN_Antioch
<b>Plaintiffs Disclosures</b>
Initial Disclosures Exhibits Quinto v Antioch v6 ol 010422
Plaintiffs Initial Disclosures Quinto v Antioch v6 cm 110221
Isabella Interviews (2 videos)
<b>Plaintiff's production of doc</b>
Second autopsy pics
Videos – Mom Cell Phone
Initial Disclosures Exhibits Quinto v Antioch v5 ns 082321
Plaintiffs Initial Disclosures Quinto v Antioch v6 cm 110221
<b>Plaintiffs' Production of Second Autopsy pics – Dr. Omalu</b>
Best pics of Petechia
BOP20-026 A(1) to BOP20-026 B(4)
<b><u>MISCELLANEOUS</u></b>
<b>93855 COND – Inquest Transcript</b>
<b>ECF 1 – Complaint</b>
<b>ECF 21 - Order denying MTD and granting mtn for bifurcation</b>
<b>ECF 24 - ANSWER TO COMPLAINT</b>
<b>Quinto Incident - Re-enactment from Web – Plaintiffs' re-enactment video</b>
<b>Additional Medical Records</b>
Wilma Chan Highland Hospital
Sutter Medical Center
AMR Report – CCC Fire Letterhead
<b>Surveillance Videos</b>
Arlo Videos from House
Ring Videos from House

### **Overview of Opinions**

**(All opinions within this report are to a reasonable degree of medical or scientific probability)**

An overview of my opinions are as follows with more description of each below:

- 1. The restraining process by the Antioch police officers did not cause the sudden cardiac arrest and death in Mr. Quinto.***

2. *Petechiae are non-specific findings and are not diagnostic of asphyxia.*
3. *The mouth injury of Mr. Quinto was nonspecific and could have happened from several reasons.*
4. *The sudden death of Mr. Quinto was more consistent with a heart (cardiac) issue than an asphyxial cause.*

### **General Overview**

After reviewing the above list of materials, it appears that on December 24, 2020, Antioch Police Department officers were dispatched for a report of a family disturbance. Officers James Perkinson and Arturo Becerra were the first to arrive. The sister reported that her brother, Angelo Quinto was choking his mother. When they entered the house, they found Mr. Quinto in a bear hug with his mom. At the time of autopsy, Mr. Quinto was 30 years old, 5'7" and 220 lbs. with a BMI of 34.5.

The two officers were able to rapidly handcuff Mr. Quinto with his hands behind his back and place him on his stomach on the floor. Officer Perkinson controlled Mr. Quinto's legs while Officer Becerra placed a knee in the upper left shoulder of Mr. Quinto to maintain position. Officer Perkinson radioed for an ambulance to come code 2 (no lights and sirens) to transport Mr. Quinto for psychiatric evaluation.

A short while later, Officers Daniel Hopwood and Nicholas Shiplov arrived on scene and entered the house. Officer Hopwood took over maintaining Mr. Quinto's shoulder while Officer Becerra moved to the legs to relieve Officer Perkinson. Officer Shiplov made no physical contact with Mr. Quinto and a short time later exited the house with Officer Perkinson, who went outside to complete the 5150 paperwork.

At some point, Mr. Quinto becomes calmer and quiet, and Officer Hopwood moved away from Mr. Quinto to help clear the hallway for the ambulance gurney to arrive. Mr. Quinto was then

noted not to be breathing anymore and not responsive to a sternal rub. Paramedics arrived about this time and moved him onto the gurney and CPR was initiated. A timeline based on the synchronized video labeled as SYNC 6.MOV is noted below:

2313:30	Becerra enters the front door.
2313:38	Perkinson enters the front door.
2314:45	Officer radios Angelo is detained.
2314:56	Audible yelling by Angelo.
2315:01	Audible yelling by Angelo.
2316:51	Perkinson radios to start an ambulance code 2.
2317:28	Shiplov enters the front door; Audible yelling repeatedly by Angelo.
2317:42	Hopwood enters the front door.
2318:58	Audible yelling by Angelo.
2320:03	Shiplov and Perkinson exit the house.
2320:05	Audible sounds by Angelo.
2321:33	Cell phone video started.
2322:18	Mother asks, "Did he fall asleep?"
2322:21	Hopwood responds he is breathing.
2323:22	Shiplov radios AMR is on scene.
2323:36	Officer telling mom they will take him to County Hospital.
2323:49	Snapshot of Becerra on Angelo's legs and Hopwood is seen in the hallway away from Angelo.
2324:55	EMS enters the front door.
2326:12	Mother asks if Angelo fell asleep; notes blood on the floor.
2326:17	Officer calling to Angelo.
2326:24	Mother picks up cell phone video.
2326:30	Mother asks what happened.
2326:35	Officer calling to Angelo; Angelo now seen again on video.
2326:36	Becerra performs sternal rub while Angelo is on his side.
2326:53	Angelo is rolled back prone.
2326:57	Officer starts to remove handcuffs.
2327:22	Cuffs off.
2327:33	Angelo is placed on a medical tarp to move him.
2327:40	Angelo is lifted up.
2327:57	Angelo is placed onto ambulance gurney.
2328:04	Chest compressions are started.

The paramedics found Mr. Quinto pulseless and apneic and started CPR. They initiated advanced life support maneuvers including chest compressions, airway management and treatment with epinephrine. Mr. Quinto's initial cardiac rhythm was pulseless electrical activity (PEA). A brief timeline of selected items from the paramedic records is included below:

2318	Call received/dispatched/enroute
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2322	Arrived scene
2325	Patient contacted/PEA/OPA/CPR
2330	IO placed
2333	Mechanical CPR device
2338	Epinephrine
2340	Supraglottic airway placed/ PEA/ETCO2 numeric
2342	Asystole/Epinephrine
2343	ETCO2 49
2343	Arrived destination

Mr. Quinto was transported to Sutter Health Delta Medical Center, where advanced life support measures were continued. After another round of epinephrine, Mr. Quinto regained a return of spontaneous circulation. He was diagnosed with acute kidney injury and hyperkalemia as well as hyponatremia. The hospital discharge summary notes that he had a potassium of 8.3 and a pH of 6.6 upon arrival. His cardiac echo showed interjection fraction of 25 to 30%. He was admitted to the ICU for further management. Over the next couple days, his overall condition worsened, including worsening renal failure, shock and rhabdomyolysis. On December 26, 2020, Mr. Quinto went into cardiac arrest at 1334 and was pronounced dead at that time.

The medical examiner performed an autopsy and determined that Mr. Quinto died of “excited delirium syndrome due to acute drug intoxication with behavior disturbances due to arrest related death with physical exertion.” His toxicology screen was positive for modafinil, caffeine and levetiracetam. Given this history, there are several issues that need to be addressed in more detail below. All opinions given are to a reasonable, or higher, degree of medical probability based on the information currently available.

### **Detailed discussion and basis of opinions**

#### ***1. The restraining process by the Antioch police officers did not cause the sudden cardiac arrest and death in Mr. Quinto.***



During the period that Mr. Quinto was being handcuffed and afterwards, he was maintained in a prone position with a certain amount of weight placed on him initially to gain control over him and to maintain his position. The restraining process to get Mr. Quinto handcuffed was approximately a minute (2313:38 Perkinson entered the front door to 2314:45 when an officer radioed that Angelo is detained).

After Mr. Quinto was handcuffed, he was reported to continue resisting and kicking. He could be heard yelling and screaming without any reported evidence of respiratory or ventilatory difficulty during this time. He was not reported to complain of shortness of breath or difficulty breathing after being restrained. His mother was in the room and did not voice any concerns about Mr. Quinto's ability to breathe in the position that he was being held.

The weight force used on Mr. Quinto was described as follows: Officer Perkinson controlled Mr. Quinto's legs while Officer Becerra placed a knee in the upper left shoulder of Mr. Quinto to maintain position. A short while later, Officers Daniel Hopwood and Nicholas Shiplov arrived on scene and entered the house. Officer Becerra had removed his knee from Mr. Quinto's shoulder for a period of time and then Officer Hopwood took over maintaining Mr. Quinto's shoulder while Officer Becerra moved to the legs to relieve Officer Perkinson. Officer Shiplov made no physical contact with Mr. Quinto. Officer Becerra reported weighing approximately 200 lbs. with 20 lbs. of gear. Officer Hopwood weighed approximately 225 lbs. with 20 lbs. of gear.

The timeline based on the available video is that Officers Becerra and Perkinson arrived and entered the front door at 2313:30 and 2313:38 respectively. Shortly thereafter they engaged Mr. Quinto and radioed that Mr. Quinto was detained at 2314:45. After this, Mr. Quinto was maintained prone with one officer holding his legs and one officer with a knee on the upper left shoulder of Mr. Quinto (initially Officer Becerra then Officer Hopwood). But during this time interval, Officer Becerra took his knee off of Mr. Quinto for an estimated 30-120 seconds based on his deposition

testimony before Officer Hopwood took over. The total time Mr. Quinto was in the prone position was approximately 8 and a half minutes (2314:45 when officer reported Mr. Quinto was detained until 2323:22 when Officer Hopwood reported that he got up to clear the hallway when he was notified that AMR had arrived on scene). But more importantly, the total time Officer Hopwood had a knee on Mr. Quinto's shoulder was only a fraction of this time. When Officer Hopwood entered the room, Officer Becerra reported that he had already taken his knee off the shoulder of Mr. Quinto for a period of time. Mr. Quinto was still yelling and breathing at this time. Then Officer Hopwood placed his left knee onto the left shoulder of Mr. Quinto. Based on his deposition testimony, he was in his position for up to 30 seconds and then realized that Mr. Quinto was not pushing up and so he moved into a catcher position without any weight being placed on the shoulder. About 30 seconds or so later, Officer Hopwood then moved to having both knees on the ground because the catcher position was tiring.

During this approximately 8 and a half-minute time interval, Mr. Quinto was reported to be moving, breathing and on the video, could be heard yelling intermittently. The yelling continued until at least 2320:05 as heard on the video and reported by Perkinson and Shiplov that Mr. Quinto was still yelling when they exited. So, for almost the first 6 minutes of being in the position on the floor, Mr. Quinto was able to breathe, bringing in air into his lungs and yelling out. Had Mr. Quinto's ventilation/respirations been compromised to the point of putting him at risk for asphyxiation, he would not have been able to yell for this period of time. Even after Mr. Quinto became quiet, Officer Hopwood assessed Mr. Quinto's breathing and said on the video at 2322:21 that Mr. Quinto was still breathing. Officer Becerra also reported that Mr. Quinto was also breathing at this time.

The majority of the weight force was not on Mr. Quinto in such a position that would have created the potential to limit ventilation. The weight on the legs would have no impact on Mr.

Quinto's ventilation. The weight placed on the shoulder would not significantly limit ventilations enough to cause asphyxiation. Research using up to 220 lbs. of weight in the middle of a subject's back has not shown to cause physiologic changes that would imply asphyxiation is even possible with that amount of weight. And the weight on the shoulder was not constant. There was a time interval in which weight was removed from Mr. Quinto's shoulder. If there had been any impact physiologically from the knee on Mr. Quinto's shoulder, this time interval would have allowed him to compensate his breathing. Mr. Quinto would have been back to a physiologic baseline.

Officer Hopwood estimated that his knee was on Mr. Quinto's shoulder for only 30 seconds or so before he removed the weight, which clearly is not enough time to asphyxiate an individual. Even if his estimation was off by a couple minutes, that would not be long enough to cause cardiac arrest by asphyxiation. However, it is my opinion that this weight from the knee did not have any clinically significant physiological effects on his ventilations.

For Mr. Quinto's ability to ventilate to be impeded long enough to cause a cardiac arrest and sudden death by asphyxiation, the ventilations would have had to be restricted long enough to where blood oxygen levels would drop because there was not enough oxygen getting into Mr. Quinto's lungs. When this occurs, the low blood oxygen levels will cause the heart to become irritable and eventually slow and then stop, causing the subject to go into cardiac arrest. This takes time and essentially a complete blockage of air movement in and out of the lungs. There is no evidence that there was ventilation obstruction in Mr. Quinto that caused the cascade of physiologic changes resulting in a cardiac arrest due to asphyxia.

The modest amount of weight being placed on Mr. Quinto's shoulder was not heavy enough nor on long enough to cause cardiac arrest by asphyxia. There is no evidence that position, restraint, or body weight caused or contributed to Mr. Quinto's death.

***2. Petechiae are non-specific findings and are not diagnostic of asphyxia.***

Petechiae are non-specific skin findings of small dots that are either on the skin or conjunctiva of the eyes or other portions of the vascular beds. Petechiae occur from an increased pressure buildup in the small capillary beds that cause micro injuries to the capillaries causing them to rupture and leak out a little bit of blood. This is most commonly seen when there is an increase in pressure in the vascular beds. They are commonly found in people who have forceful vomiting, causing petechiae of the face. Petechiae can be caused by blood pressure cuffs, tourniquets or even during CPR where petechiae can be caused by increasing vascular pressure during chest compressions. Petechiae can also be caused by seizure activity. Petechiae are nonspecific, and non-diagnostic. They are just clinical findings that would indicate increased capillary bed pressure.

The presence of petechiae does not prove or diagnose asphyxia. Rao and Wetli report that conjunctival petechiae were mentioned in 227 (4.5%) of 5,000 consecutive autopsy reports and that they were most frequently observed in those who had died natural deaths. Ely and Hirsch reviewed the literature on asphyxia deaths and the presence of petechiae and concluded that petechiae are neither predictable findings in all asphyxial deaths nor are rare findings in natural, non-asphyxial deaths.

In the case of Mr. Quinto, he underwent chest compressions during CPR several times prior to his death, including the use of a Lucas device and the autopsy that noted the petechiae. The Lucas device produces deep and vigorous chest compressions that can cause petechiae. Additionally, seizures can cause petechiae, and Mr. Quinto also had seizures prior to his death and autopsy. Depending on how Mr. Quinto's mom was holding him prior to the police arrival, an increase in capillary bed pressure could also have caused petechiae from being held or forceful Valsalva pressure being created by Mr. Quinto's resistance and struggle. Overall, petechiae are nonspecific findings whose presence could be from several clinical scenarios that Mr. Quinto was in prior to his death and autopsy unrelated to the police involvement.

***3. The mouth injury of Mr. Quinto was nonspecific and could have happened from several reasons.***

The autopsy report notes that examination of the mouth and intraoral mucosa showed bite marks on the left inner cheek and on the right side of the tongue. There were no other injuries identified. Both upper and lower frenula were intact. Clearly, based on scene images and video, there was bleeding that occurred at the scene (see image below). And based on the video, that bleeding appeared to come from Mr. Quinto's mouth. However, based on the autopsy report, it cannot be determined what caused these injuries noted at autopsy that was completed several days after the interaction of Mr. Quinto with the officers. Mr. Quinto was in an altercation with his mother prior to the arrival of the officers, where one or both of these injuries could have occurred. Additionally, Mr. Quinto was reported to have a seizure at the hospital where the tongue biting certainly could have occurred as tongue biting is a common clinical finding in seizure patients. This seizure could have caused the tongue biting injury noted at autopsy, but the cheek biting could have been the cause of the bleeding at the scene. Mr. Quinto was also squirming and moving his head around while the officers were holding him, which could have caused an injury to his mouth. There were no reports of Mr. Quinto being struck to the head or face, or other trauma to the head during the cuffing and restraining process, but there could have been inadvertent contact by the officers as well that caused one or both of the mouth injuries. However, on autopsy, there was no physical evidence of external facial trauma noted. However, the injuries to the mouth were non-specific and could have happened from a number of causes other than the officers. It should also be noted that these mouth injuries would not have caused or contributed to the cardiac arrest and death of Mr. Quinto, including not having any physiologic effect on respiration.



***4. The sudden death of Mr. Quinto was more consistent with a heart (cardiac) issue than an asphyxial cause.***

As noted earlier, Mr. Quinto did not have the clinical presentation consistent with an asphyxial cause for his heart to stop, including that there was not enough weight nor was there enough time for him to have an asphyxial event that caused his cardiac arrest. Mr. Quinto was yelling and resisting for a number of minutes before he was noticed to be quiet and questionably being asleep. So, if Mr. Quinto was not asphyxiated, what could have caused his heart to suddenly

stop?

Two major categories of causes of cardiopulmonary (cardiac) arrest are ventilatory (pulmonary) issues, and cardiac (heart) issues. Failures of either can lead to the heart stopping (i.e. cardiopulmonary arrest). Pulmonary causes can include pulmonary emboli (blood clots in the lung), pneumonias, severe lung disease such as COPD or asthma, or asphyxiation, as a few examples. The common pathway for pulmonary issues is that there is ventilatory failure which leads to rising CO<sub>2</sub> levels and subsequently over time, dropping oxygen levels. As the oxygen levels drop, the heart gets irritable, and overtime will slow and if it is not corrected will lead to cardiac arrest. Pulmonary causes of cardiopulmonary arrest tend to take time for this cascade of events to occur. Cardiac causes can exclude heart attacks (blockage of coronary arteries reducing blood flow to the heart muscle), cardiac muscle infections, valvular issues, or cardiac dysrhythmias (irregular heart rhythms) as a few examples. Cardiac causes of cardiopulmonary arrest, particularly dysrhythmias, tend to be sudden and without warning. Sometimes there are agonal respirations that follow a cardiac cause of cardiopulmonary arrest that go on for a period of time that look like the individual is still breathing. Based on the review of the medical records and autopsy, there were no clinical or autopsy findings combined that are consistent with a pulmonary cause including asphyxia. Additionally, there is also no evidence that Mr. Quinto had a heart attack, heart muscle infection or valvular issue of his heart. However, the hospital records reflect that Mr. Quinto had a potassium level 8.3 after he arrived at the hospital.

By way of comparison, a normal potassium level is 3.5-5.1 mmol/L. Patients with chronic kidney failure on dialysis can get up to levels of 6.0 to 7.5 with little in the way of clinical findings, but other patients with acute elevations in potassium will have EKG changes at these levels and are already at significant risk to go into sudden cardiopulmonary arrest due to the cardiac irritability of potassium. The classic cardiac rhythm that is found during cardiopulmonary arrest due to

hyperkalemia (elevated potassium levels) is pulseless electrical activity (PEA), which is the rhythm that paramedics found Mr. Quinto in after they placed him on the cardiac monitor. Hyperkalemia is so dangerous for the heart and causing cardiopulmonary arrest, that lethal injections for capital punishment/death sentences use an intravenous injection of potassium to stop the heart.

With the sudden change in his clinical presentation most consistent with a cardiac cause of the cardiopulmonary arrest, from yelling and resisting to suddenly not moving, along with the significant hyperkalemia that is a cardiac irritant and can cause sudden cardiopulmonary arrest with a PEA rhythm, it more likely than not that Mr. Quinto had a cardiac event that caused his cardiopulmonary arrest, not a pulmonary event including not asphyxiation.

### **Background**

My background is that I am a full-time faculty member in the department of emergency medicine at the University of California, San Diego Medical Center. I am residency trained and board certified in Emergency Medicine. I work full time as a practicing clinician in the Emergency Department of a busy urban hospital and serve as the vice chair of clinical operations for our three emergency departments with a combined annual census of approximately 120,000 visits. I currently serve as the Medical Director for Risk Management for the UC San Diego Health System. I also serve as the UCSD Medical Center's Medical Risk Management Committee Chair and Allocation Committee Co-Chair, as well as previously having served as the Chair of the Patient Care and Peer Review Committee, each of which are charged with the task of reviewing medical records and making determinations of standard of care. I am also the former Chief of Staff for the UCSD Medical Center.

As a physician working at an urban based emergency department at a Level 1 trauma center, I have evaluated hundreds of patients over the last 30 years who have been in cardiac arrest and



thousands who have been restrained by law enforcement.

I am knowledgeable of peer-reviewed medical and scientific research on the physiological effects of positional restraint and positional asphyxia conducted by others. I have also performed extensive clinical research on human subjects who have been restrained in various positions and with various amounts of weight being placed (articles included in my curriculum vitae) which includes having directly been involved with hundreds of subjects being restrained and studied, hundreds of patients restrained during my work in the emergency department and have personally been restrained with weights placed on me as well. I have been invited to lecture nationally and internationally on this subject. Given my own interests in this area, I regularly perform a complete review of the literature regarding restraints and in custody death.

I am knowledgeable of peer-reviewed medical and scientific research for cardiac arrest and CPR practices. I was the Principal Investigator for San Diego's Resuscitative Outcomes Consortium (ROC) site, a National Institute of Health (NIH) funded study for ten years that involved over 200,000 cardiac arrest patients to evaluate treatment options for out of-hospital cardiac arrest and severe traumatic injury. I have published many peer-reviewed papers on the topic of cardiac arrest and cardiac resuscitation, including publications in the New England Journal of Medicine, JAMA, and Circulation. I also served as the Medical Director of the American Heart Association Training Center at the University of California, San Diego Center for Resuscitation Science almost ten years, teaching Advanced Cardiac Life Support (ACLS) both locally and being asked to give lectures on cardiac arrest internationally. I had been an ACLS instructor for over 20 years. I also work at a busy urban comprehensive emergency department where I care for patients in cardiac arrest on a regular basis.

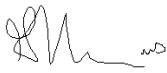
My Emergency Medical Services (EMS)/prehospital background and experience includes having been a flight physician with Lifeflight of San Diego and with Mercy Air, taking care of

acutely injured patients at the scene. My EMS administrative roles include having been the Base Station Medical Director for UCSD, the Medical Director for the Palomar and Southwestern Paramedic College Training Programs, and the former Medical Director for the County of San Diego Emergency Medical Services (EMS) one of the largest EMS systems in the nation. In this role, I was responsible for protocols and quality assurance of over 1000 paramedics and 4000 EMT's. I started the UCSD EMS/Disaster Medicine Fellowship Training Program and was the first Fellowship Director and currently serve as the associate Director of the EMS/Disaster Medicine Division in the UCSD Department of Emergency Medicine and as the Medical Director for the North County Fire Protection District, which is a Joint Powers Authority that involves the EMS/fire agencies of 18 municipalities. I have been a paramedic base hospital physician in San Diego County for over 25 years. Other previous EMS roles include having been the Medical Director for the Chula Vista Fire Department, the Carlsbad Fire Department, and the Aeromedevac, Aviamedix and AirLink USA Air Ambulance Services. I was also the Medical Director for the San Diego County Metropolitan Medical Strike Team (MMST) and the UCSD Base Hospital Medical Director, and I also served as EMS medical back up for many SWAT operations. I have written numerous peer reviewed papers on prehospital medicine and operations as well as many book chapters and have lectured nationally and internationally on prehospital care. I was also the Principal Investigator for San Diego's Resuscitative Outcomes Consortium (ROC) site, a National Institute of Health (NIH) funded study consortium that evaluated treatment options for out of-hospital cardiac arrest and severe traumatic injury including gunshot and stab wounds for over a decade.

As per Rule 26 formatting, Appendix A is a copy of my current Curriculum Vitae, which includes a list of all publications authored by me. Appendix B is a list of all cases in which I have testified as an expert in trial or deposition within the preceding four years. Appendix C is my fee

schedule. The knowledge base that I utilize has been developed over time from my years of clinical practice and experience, reading and training as well as research. Under penalty of perjury, I hereby swear that the opinions stated above are true and correct within a reasonable degree of medical probability. I also reserve the right to review additional materials as they become available in the case and provide additional opinions as appropriate.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'G. Vilke', with a stylized flourish at the end.

Gary M. Vilke, M.D., FACEP, FAAEM  
Professor of Clinical Emergency Medicine  
Vice-Chair, Clinical Operations Emergency Medicine  
Medical Director, Risk Management, UC San Diego Health System  
Medical Director, North County Dispatch JPA

*APPENDIX A*

*CURRICULUM VITAE*

*GARY MICHAEL VILKE, M.D., FACEP, FAAEM*

HOME ADDRESS:

11582 Normanton Way  
San Diego, CA 92131  
Phone: (619) 666-8643

OFFICE ADDRESS:

Department of Emergency Medicine  
UCSD Medical Center  
200 W. Arbor Drive  
San Diego, CA 92103-8676  
Phone: (619) 543-6210  
Fax: (619) 543-3115  
E-mail: gmvilke@ucsd.edu

PERSONAL: Born September 12, 1966 in Cleveland, Ohio

EDUCATION:

Academic: B.S. in Zoology, University of California, Berkeley  
1983-88 Berkeley, California

Medical School: M.D., University of California, San Diego School of Medicine  
1988-92 La Jolla, California

Internship: Department of Surgery  
1992-93 University of California, San Diego Medical Center  
San Diego, California

Residency: Department of Emergency Medicine  
1993-96 University of California, San Diego Medical Center  
San Diego, California (Chief Resident: 1995-96)

Physician Leadership Academy: University of California, San Diego Medical Center  
2007-09 San Diego, California

LICENSURE: California Medical License Number G-78057

BOARD CERTIFICATIONS:

National Board of Medical Examiners, 1993

American Board of Emergency Medicine, 1997, renewed 2007 and 2017

APPOINTMENTS:

9/11 - Present	Professor of Clinical Emergency Medicine and Medicine, University of California, San Diego (UCSD) School of Medicine
12/20–Present	Emergency Medicine Medical Staff Service Chief
7/19-Present	Medical Director, North County Dispatch Joint Powers Authority
1/17-Present	Vice-Chair of Clinical Operations, UC San Diego Department of Emergency Medicine
2/14- Present	Assistant Director, Division of Emergency Medical Services (EMS)/Disaster Medicine, UCSD Medical Center, Department of Emergency Medicine
7/12 – Present	Medical Director, Risk Management, UC San Diego Health System
7/94 - Present	Base Hospital Physician, University of California Medical Center

PREVIOUS EXPERIENCE/APPOINTMENTS:

4/21-8/21	Interim Medical Director, California State Department of Parks and Recreation
1/13 – 6/19	Medical Director, Carlsbad Fire Department
10/09 – 6/19	UCSD Department of Emergency Medicine Clinical Research Scholar Fellowship Director
10/15 – 5/19	Medical Director, AirLinkUSA Air Ambulance Service
1/18-7/18	Medical Director, Chula Vista Fire Department
2/06 – 6/18	Director, Division of Clinical Research, UCSD Medical Center, Department of Emergency Medicine
1/16 – 6/18	Co-Medical Director, Department of Emergency Medicine, UCSD Medical Center
9/15- 9/17	Staff Physician, El Centro Regional Medical Center Department of Emergency Medicine
6/12 – 6/17	Associate Director, Department of Emergency Medicine Behavioral Emergencies Research (DEMBER) Lab
1/16 – 1/17	Emergency Medicine Clinical Service Chief, UC San Diego Health System
4/07 – 12/16	Medical Director of the American Heart Association Training Center at the UCSD Center for Resuscitation Science
7/96 – 12/15	Assistant Director, Department of Emergency Medicine, UCSD Medical Center
7/13 – 9/15	Chief, Division of Custody Medicine, UCSD Medical Center, Department of Emergency Medicine
4/99 – 9/15	Director, Custody Services, UCSD Medical Center (Co-Director 1999-2013)
3/13 – 9/15	Medical Director, AviaMedix Air Ambulance Service
10/11- 2/14	Chief, Division of Emergency Medical Services (EMS)/Disaster Medicine, UCSD Medical Center, Department of Emergency Medicine
4/12 – 3/13	Medical Director, Aeromedevac Air Ambulance Service
7/09 – 6/12	Chief of Staff, UCSD Medical Center

PREVIOUS EXPERIENCE/APPOINTMENTS (cont.):

7/07 - 6/09	Vice Chief of Staff UCSD Medical Center
7/04 – 6/09	EMS/Disaster Medicine Fellowship Director, Department of Emergency Medicine.
3/02 - 2/06	Medical Director, San Diego County Emergency Medical Services
3/03 - 12/05	Medical Consultant, San Diego Chapter Red Cross Disaster Health Services
6/04 - 2/05	Interim Chief, San Diego County Emergency Medical Services
1/01 - 2/04	Medical Director, Southwestern College Paramedic Training Program
7/00 - 2/04	Medical Director, Palomar College Paramedic Training Program
7/97 - 1/03	Director, Prehospital Services, UCSD Medical Center
6/97 - 1/03	Medical Director, Paramedic Base Hospital, UCSD Medical Center
7/96 - 1/03	Medical Director, Mercy Air Medical Transport Service, San Diego, California
4/99 - 3/01	Medical Co-Director, San Diego Central Jail Medical Services
1/96 - 7/96	Flight Physician, Mercy Air Medical Transport Service, San Diego, California
7/95 - 7/96	Associated Emergency Physicians Medical Group, San Diego, California
12/94 - 7/96	Kaiser Permanente Emergency Department, San Diego, California
10/94 - 7/96	Med America Health Resource Company, San Diego, California
4/94 - 7/95	Sharp-Rees-Stealy Urgent Care, San Diego, California
7/93 - 12/95	Flight Physician, Life Flight Air Medical Transport Service

PREVIOUS ACADEMIC APPOINTMENTS

7/05 – 9/11	Professor of Clinical Medicine, UCSD School of Medicine
7/01 - 6/05	Associate Professor of Clinical Medicine, UCSD School of Medicine
7/96 - 6/01	Assistant Clinical Professor of Medicine, UCSD School of Medicine

HONORS AND AWARDS:

1990	Random House Medical Student Award
1996	American College of Emergency Physicians, California Chapter Challenge Bowl Winner
1996	Council of Residency Directors (CORD) Resident Academic Achievement Award
1996	Outstanding Emergency Medicine Resident
1996	UCSD Emergency Department Staff Support Award
1996	<i>Journal of Emergency Medicine</i> Outstanding Contribution Award
1999	“Golden Apple” Teaching Award, UCSD Emergency Medicine Residency Graduating Class of 1999
2000	Faculty of the Year, UCSD Emergency Medicine Residency Graduating Class of 2000
2000	Best Research Poster Presentation, California Chapter of the American College of Emergency Physicians (CAL/ACEP) Scientific Assembly, Dana Point, California
2000	Outstanding Scientific Abstract, State of California EMS Authority Annual Emergency Medical Services for Children Conference, San Diego, California, November 2000
2001	Best Oral Presentation, CAL/ACEP Scientific Assembly, Santa Clara, California
2004	Academy of Clinician Scholars, University of California San Diego
2004	Top Doctor in San Diego County, San Diego Magazine
2004	Top Peer Reviewer, <i>Annals of Emergency Medicine</i>
2005	Top Doctor in San Diego County, San Diego Magazine
2005	Clinical Investigation Institute, University of California San Diego
2006	Top Doctor in San Diego County, San Diego Magazine
2007	Finalist San Diego Business Journal Health Care Champion Award
2007	Top Doctor in San Diego County, San Diego Magazine
2007	Top Peer Reviewer, <i>Annals of Emergency Medicine</i>
2008	Top Doctor in San Diego County, San Diego Magazine
2008	UCSD Undergraduate Campus Outstanding Faculty Mentor of the Year
2009	Clinical and Translational Research Institute, Charter member
2009	Top Doctor in San Diego County, San Diego Magazine
2010	Top Doctor in San Diego County, San Diego Magazine
2011	Top Doctor in San Diego County, San Diego Magazine



HONORS AND AWARDS, continued:

2012 Top Doctor in San Diego County, San Diego Magazine  
2013 Top Doctor in San Diego County, San Diego Magazine  
2014 Top Doctor in San Diego County, San Diego Magazine  
2015 "25 Emergency Medicine & EMS Professors You Should Know" From Medical  
Technology Schools at: [http://www.medicaltechnologyschools.com/emt/emergency-  
medicine-ems-professors-to-know](http://www.medicaltechnologyschools.com/emt/emergency-medicine-ems-professors-to-know)  
2018 Top Doctor in San Diego County, San Diego Magazine  
2019 Top Doctor in San Diego County, San Diego Magazine

PROFESSIONAL SOCIETY MEMBERSHIPS:

American Medical Association, 1988-97  
California Alumni Association, 1988  
American College of Emergency Physicians, 1991  
Fellow, American College of Emergency Physicians, 2000  
California Chapter of the American College of Emergency Physicians, 1991  
Society for Academic Emergency Medicine, 1995  
Society for Academic Emergency Medicine, EMS Interest Group, 2019  
National Association of EMS Physicians, 1998  
Fellow, American Academy of Emergency Medicine, 2000  
California Chapter of the American Academy of Emergency Medicine, 2000  
American Association of University Professors, 2002  
California Conference of the American Association of University Professors, 2002  
San Diego Faculty Association, 2002  
San Diego County Medical Society, 2003  
American Association of Emergency Psychiatry, 2014-2017  
California Chapter National Association of EMS Physicians, 2022

## PATENTS:

# WO 2010/011976 A2: Medication Delivery Devices Having Penetrable Sterility Barriers and Alignment Features (January 28, 2010)

# WO 2010/011976 A2: Medication Delivery Devices Having Penetrable Sterility Barriers and Alignment Features (January 28, 2010)

# US 2010/011966 A2: Medication Delivery System (January 28, 2010)

# US 2010/0022987 A1: Medication Delivery System (January 28, 2010)

# US 61476836 Medication Delivery Apparatus (April 19, 2011)

## Content Expert

Reviewer, Practical Summaries in Acute Care, Thomson American Health Consultants, 2006

Expert Editorial Advisor, *Managing the Ankylosing Spondylitis Patient in an Emergency Setting for the Spondylitis Association of America (SAA)*. 2008

Content Expert for Cable News Network (CNN), 2009

Content Expert for ABC News, 2011

## Journals

Editor-in-Chief, *Journal of Emergency Medicine Reports*, Elsevier Science, Inc., 2022

Editor-in-Chief, *Advances in Legal Medicine*, Longdom Publishing, 2014-2015.

Senior Associate Editor/Editorial Board, *Journal of Emergency Medicine*, Elsevier Science, Inc., 2013 (Associate Editor since 2007, Editorial board since 2000; reviewer since 1994)

Editorial Board, *Prehospital Emergency Care*, Taylor & Francis Group, 2006 (Reviewer since 2004)

Editorial Board, *Journal of Forensic and Legal Medicine*, Elsevier Science, Inc. 2012 (Reviewer since 2011)

Editorial Board, *Emergency Medicine and Healthcare*, Herbert Publications, 2013

Editorial Board, *Saudi Journal of Emergency Medicine*, 2019

Senior Reviewer, *Annals of Emergency Medicine*, Mosby, 2007 (Reviewer since 1998)

Journals (cont.)

Reviewer, *European Journal of Epidemiology*, Kluwer Academic Publishers, 1996-97  
Reviewer, *Western Journal of Emergency Medicine*, 2001  
Reviewer, *American Journal of Emergency Medicine*, Elsevier Science, Inc., 2005  
Reviewer, *Emergency Medicine Journal*, BMA House, 2006  
Reviewer, *Forensic Science International*, 2007  
Reviewer, *California Journal of Emergency Medicine*, 2007  
Reviewer, *Journal of the American Medical Association (JAMA)*, 2009  
Reviewer, *BioMedical Engineering OnLine*, 2009  
Reviewer, *Bioelectromagnetics*, 2010  
Reviewer, *Forensic Science, Medicine and Pathology*, 2010  
Reviewer, *Psychology Research and Behavior Management*, 2010  
Reviewer, *Academic Emergency Medicine*, 2010  
Reviewer, *Medicina*, 2012  
Reviewer, *Injury Prevention*, 2013  
Reviewer, *Therapeutics and Clinical Risk Management*, 2013  
Reviewer, *Pediatrics*, 2013  
Reviewer, *Journal of Forensic Toxicology and Pharmacology*, 2014  
Reviewer, *Journal of Injury and Violence Research*, 2014  
Reviewer, *International Journal of Molecular Sciences*, 2015  
Reviewer, *Emergency Medicine International*, 2015  
Reviewer, *Policing: A Journal of Policy and Practice*, 2016  
Reviewer, *International Journal of Law and Psychiatry*, 2017  
Reviewer, *Journal of Correctional Health Care*, 2019  
Reviewer, *Clinical Toxicology*, 2019  
Reviewer, *Medicine, Science and the Law*, 2019  
Reviewer, *International Journal of Legal Medicine*, 2019

CURRENT UCSD COMMITTEE MEMBERSHIPS:

Research Committee, Department of Emergency Medicine, 1997  
UCSD Faculty Association, 2002  
Quality Improvement/Peer Review Committee, Department of Emergency Medicine, 1999  
UCSD Academy of Clinician Scholars Executive Committee, 2005  
UCSD Medical Staff Executive Committee, 2007  
Chair, UCSD Medical Risk Management Committee, 2012  
Chair, UCSD Allocation Committee, 2012  
UCSD Significant Events Committee, 2012  
Co-Chair, UCSD/Rady Children's Joint Risk Management Committee (JPMC), 2013  
UCSD Patient Experience Executive Committee, 2013  
UCSD Faculty Leadership Group, 2014  
Patient Advocacy Reporting System (PARS) Oversight Team, 2014  
UCSD Leadership Council, 2015  
UCSD Department of Emergency Medicine Clinical Operations Committee, 2016  
UCSD Department of Emergency Medicine Executive Committee, 2016  
UCSD Department of Emergency Medicine Management Committee, 2016  
UCSD Department of Emergency Medicine/Psychiatric Committee, 2016  
UCSD Hillcrest Emergency Department Patient Flow Task Force, 2016  
UCSD Health System Patient Grievance Review Committee, 2016  
UCSD Threat Assessment Management Committee, 2016  
UCSD Department of Emergency Faculty Search Committee 2018  
UCSD Medical Staff Professionalism Committee, 2019  
UCSD Academic Assembly alternative representative, 2019  
UCSD Ligature Prevention Task Force, 2019  
UCSD Emergency Medicine Workplace Violence Initiative Committee, 2019  
UCSD Urgent Care Leadership Committee, 2019  
UCSD Department of Emergency Medicine Staff Research Associate Interview Committee, 2019  
UCSD Department of Emergency Medicine Residency Interview Committee, 2019  
UCSD Flu Capacity Task Force, 2019  
UCSD Urgent Care Pharmacy Committee, 2020  
UCSD Health Novel Coronavirus Planning and Response Workgroup, 2020  
UCSD Emergency Department and Security Safety Committee, 2020

CURRENT UCSD COMMITTEE MEMBERSHIPS (cont.):

UCSD Emergency Department Security Committee, 2020  
High Utilizers of Emergency Services Committee, 2020

CURRENT COMMITTEE MEMBERSHIPS:

San Diego County Base Station Physicians' Committee, Chair 2021  
American Academy of Emergency Physicians, Clinical Practice Committee, 2011  
San Diego County Base Station Physicians' Committee, 2013  
San Diego County Prehospital Audit Committee, 2013  
EMS Directors Association of California, 2019  
San Diego County North Zone EMS Committee, 2019  
San Diego County Health Services Capacity Task Force, 2019  
San Diego County EMS Protocol Task Force, 2019  
Oceanside Fire Department CQI Committee, 2019  
San Diego North Zone Dispatch Protocol Task Force, 2019  
San Diego County Fire Chief Association, EMS Section, 2019  
San Diego Health Connect, EMS Workgroup, 2019

PREVIOUS UCSD COMMITTEE MEMBERSHIPS:

UCSD Department of Emergency Medicine Academic Affairs Committee, 2013-15  
President, UCSD Academy of Clinician Scholars, 2013-15  
UCSD Board of Governor's Committee, 2013-15  
UCSD Academic Senate Representative Assembly, Alternate, 2011-13  
UCSD Sheriff Managed Care Oversight Committee  
Ladder Rank Recruitment Committee, UCSD Department of Emergency Medicine, 2013  
UCSD Medical Staff Bylaws Work Group, 2014  
Chair, Emergency Department Staffing Committee of Process Action Team, 1994-95  
Hospital Infection Control Committee, 1994-95  
Emergency Medicine Housestaff Association Representative, 1994-96  
Emergency Department Clinical Practices Committee, 1994-96  
Emergency Department Peer Review/Quality Assurance Committee, 1995-96  
Emergency Department Critical Care Room Process Action Team, 1996  
Paramedic/Emergency Department Interface Task Force, 1998-99  
Emergency Department Staffing Committee, Department of Emergency Medicine, 1999  
Credentials Committee, 1997-2000  
Faculty Search Committee, Department of Emergency Medicine, 1999, 2000, 2002  
Medical Director's Group, 1997-2002  
Patient Care Review Committee, 2003  
Medical Risk Management Committee, 2002-07  
Patient Improvement and Outcome Committee, 2003-05  
Medical Staff Executive Committee Reorganization Ad Hoc Committee, 2005-2006  
UCSD Phasing Strategy Ad Hoc Committee, 2005-06  
Clinical Representative, Trauma Quality Assurance Program, 1998-2006  
Vice Chief of Staff, UCSD Medical Center, 2007-2009  
UCSD/San Diego Sheriff Security Working Group, 2003-10  
Chief of Staff, UCSD Medical Center, 2009-2012  
Vice-Chair, Quality Council Committee, 2009-2012 (member since 2003)  
Chair, Medical Staff Executive Committee, 2009-2012  
UCSD Governance Advisory Committee, 2009-2012

PREVIOUS UCSD COMMITTEE MEMBERSHIPS, continued:

UCSD Department of Medicine Clinical Operations Redesign Enterprise (CORE) Initiative Team, 2009-2012

Director of Risk Management Selection Committee, 2007

Chair, Medical Risk Management Committee, 2003-07 (member since 2002)

Medical Risk Management Executive Committee, 2003-07

UCSD Medical Center Allocation Committee 2005-07

Patient Safety Committee, 2003-07

Vice Chair, Medical Staff Executive Committee, 2007-09

Chair, Patient Care and Peer Review Committee, 2007-09 (member since 2005)

Trauma Multidisciplinary Committee, 2000-09

Department of Medicine Committee on Advancement and Promotions (DOMCAP), 2007-09

Vice Chair, Quality Council Committee, 2009-2012

UCSD Medical Center Syncope Task Force, 2010-11

LIFESHARING, A Donate Life Organization Advisory Board, 2010-2014

UCSD Director of Risk Management Selection Committee, 2012

Secretary-Treasurer, UCSD Academy of Clinician Scholars, 2005-12

UCSD Root Cause Analysis Committee, 2013

UCSD Department of Emergency Medicine Chair Selection Committee, 2012-13

UCSD Department of Emergency Medicine Faculty Coverage Committee, 2012-13

UCSD Integrated Delivery Network Design Team, 2012-13

UCSD Department of Emergency Medicine Patient Satisfaction Committee, 2012-13

UCSD Department of Emergency Medicine Faculty Search Committee, 2013-14

Rady Children's Root Cause Analysis Committee, Ad hoc, 2012-15

Rady Children's Emergency Department Faculty Search Committee, 2015-16

UCSD Medical Staff Bylaws Committee, 2018-20

PREVIOUS MEMBERSHIPS/ACTIVITIES:

Vice-President, California Chapter of Emergency Medicine Residents Association, 1994-95

Editor-in-Chief, California Chapter of Emergency Medicine Residents Association Newsletter, 1994-95

Co-Director, School of Medicine 225: Introduction to Emergency Medicine, UCSD School of Medicine, 1994-95

Strike Team Leader, DMAT Olympics 1996 Biological & Chemical Antiterrorist Medical Support

Director, Mercy Air Medical Transport Services Continuing Clinical Education, 1996-2003

Member, San Diego County 911 Dispatch Quality Review Board, 1997-98

Co-Director, University of California, San Diego School of Medicine, Course SOM 224I, 1997-2002

Pediatric Advanced Life Support Course Director, 1997-2002

Editor-in-Chief, UCSD Medical Center EMS Run Review, 1997-2003

Sponsor, Palomar College Emergency Medical Education Department Paramedic Training, 1997-2003

Medical Support Physician, Super Bowl XXXII, San Diego, California, January 25, 1998

Medical Support Physician, Suzuki Rock-n-Roll Marathon, San Diego, California, June 21, 1998

Marketing Director, California Chapter of the American College of Emergency Physicians (CAL/ACEP) Scientific Assembly, 1998-99

Member, Program Committee, CAL/ACEP Scientific Assembly, 1998-99

Howard Hughes Foundation Undergraduate Preceptor, 1998, 1999

Co-editor, Pearls from PAC Newsletter, 1998-2000

Preceptor, Introduction to Clinical Medicine 201-B, UCSD School of Medicine, 1999

EMS Team Leader, San Diego County Metropolitan Medical Strike Team, 1999

Co-Chair, Program Committee, CAL/ACEP Scientific Assembly, 1999-2000 and 2000-01

Member, San Diego County Bio-Terrorism Planning Group, 1999-2003

Moderator, EMS Poster Section, Western Regional Society for Academic Emergency Medicine Conference, Portland, Oregon, April 2000

Preceptor, California State University Dominguez Hills Statewide Nursing Program, 2000

Affiliate Faculty, Southwestern College Paramedic Training Program, 2000-03



PREVIOUS MEMBERSHIPS/ACTIVITIES, continued:

Medical Director, EPIC “Eliminate Preventable Injuries of Children” Medics, San Diego County, 2000-03

San Diego Port District AED (Automated External Defibrillator) Program RPF Panel, 2001

Peer Reviewer, *Pediatric Emergency Medicine Reports*, 2001

Reviewer, Scientific Abstract Presentations, CAL/ACEP Scientific Assembly, 2001-02

Member, Board of Directors, CAL/ACEP, 2001-03

Moderator, Western Regional SAEM Research Presentations, San Diego, California, April 2002

Clinical Coordinator, Southwestern College Emergency Medical Technician Program, 2001-03

Santa Clara County/Regional Medical Center Trauma Designation Review Committee, 2004

San Diego County Health Services Capacity Issues Task Force, 2002-06

San Diego Regional Safety Consortium Inter-facility Transfer Protocol Task Force, 2004-06

San Diego Regional Fire Prevention Emergency Preparedness Task Force, 2004-2006

San Diego County Task Force on Fire Prevention, 2004-06

President-Elect, EMS Medical Director’s Association of California, 2005-06

Medical Director, San Diego County Metropolitan Medical Strike Team, 1998-2008

American College of Emergency Physicians (ACEP) Task Force on Excited Delirium Syndrome  
2009-10

Objective Structured Clinical Examiner, UCSD School of Medicine, 1997-10

Evaluator, UCSD Physician Assessment and Clinical Evaluation (PACE) Program, 2000-06

Tactical EMS Care Provider for San Diego Sheriff’s Special Enforcement Detail (SED), 2007-10

San Diego State Pre-Med Preceptor, SDSU, 2008-13

Phi Delta Epsilon Faculty Mentor, UCSD, 2008-12

National Institute of Justice Task Force on Excited Delirium, 2011

Member, Disaster Medical Assistance Team (CA-4), 1994-2011

Operations Committee, San Diego County Metropolitan Medical Strike Team, 1998-2010

Physician Member, San Diego County Metropolitan Medical Strike Team, 1998-07

PREVIOUS COMMITTEE MEMBERSHIPS:

Practice Management Committee, CAL/ACEP, 1994-95  
Committee on Prehospital Stroke Triage, San Diego County Medical Society, 1998  
Research Subcommittee, San Diego County Prehospital Audit Committee, 1997-99  
Prehospital RSI Task Force, San Diego County Prehospital Audit Committee, 1997-99  
Chair, San Diego County Prehospital Audit Committee, 1998-2000  
San Diego County Pediatric CPR Task Force, 1999-2000  
San Diego Sheriff's Source Selection Committee, 2000  
Steering Committee, San Diego County Metropolitan Medical Strike Team, 1998-2001  
Program Committee, CAL/ACEP Scientific Assembly, 1998-2001 (Co-Chair for 1999-2001)  
Awards Committee, CAL/ACEP Scientific Assembly, 1999-2001  
EMS Committee, San Diego County Metropolitan Medical Strike Team, 1999-2001  
San Diego Metropolitan Medical Response System Bio-Terrorism Planning Group, 1999-2001  
San Diego County EMS QA Net Prehospital Design Steering Committee, 2000-01  
Chair, CPR Subcommittee, San Diego County Prehospital Audit Committee, 1998-2002  
San Diego County SIPs (Serial Inebriate Program) Task Force, 2000-02  
Task Force Leader, CAL/ACEP Scientific Assembly, 2001-02  
Chair, Training Committee, San Diego County Metropolitan Medical Strike Team, 2001-02  
Co-Chair, EMS Committee, CAL/ACEP, 2001-02  
Policy Committee, CAL/ACEP, 2001-02  
Chair, Research Subcommittee, San Diego County Prehospital Audit Committee, 2000-02  
Governmental Affairs Committee, CAL/ACEP, 2001-02  
Didactic Subcommittee, SAEM Program Committee, 2001-02  
Program Mgmt Committee, San Diego County Metropolitan Medical Strike Team, 2001-03  
Air Medical Transport Section, American College of Emergency Physicians, 2001-03  
San Diego County Sheriff's Mortality Review Committee, 2001-03  
San Diego County Sheriff's Pharmacy and Therapeutics Committee, 2001-03  
City of San Diego EMS Physicians' Advisory Committee, 1998-2006  
City of San Diego Prehospital Cardiac Advisory Committee, 1998-2006  
Education Committee, CAL/ACEP, 2000-03  
SAEM EMS Interest Group, 2001-2006 (Co-chair 2003-04)

PREVIOUS COMMITTEE MEMBERSHIPS, continued:

San Diego County EMS for Children (EMSC) Advisory Committee, 2002-05  
Scientific Subcommittee, SAEM Program Committee, 2002-05  
Police Executive Research Forum Task Force on Conductive Energy Weapons Use, 2005  
San Diego County EMS for Children (EMSC) Advisory Committee, 2002-05  
Scientific Subcommittee, SAEM Program Committee, 2002-05  
Member-at-large, EMDAC Officer Board, 2004-05  
San Diego County Fire Chief's Association, 2004-06  
San Diego County Sheriff's Helicopter Program Ad Hoc Advisory Committee, 2004-06  
Chair, San Diego County HRSA Work Group, 2004-06  
San Diego County Regional Helicopter Advisory Committee, 2004-06  
San Diego County HRSA Executive Steering Committee, 2004-06  
San Diego County Critical Care Transport Working Group, 2005-06  
San Diego County Prehospital Patient Record IT Steering Committee, 2005-06  
San Diego County Cardiac Advisory Committee, 2005-06  
San Diego County Stroke Advisory Committee, 2005-06  
San Diego County Emergency Medical Care Committee, 2006  
Co-Chair, San Diego County Medical Society EMS Medical Oversight Committee, 2002-2006  
Chair, EMS Committee, American Academy of Emergency Medicine California Chapter, 2000-06  
EMS Medical Director's Association of California, 2002-06  
San Diego County Trauma Administrators Committee, 2002-06  
Chair, San Diego County EMS Research Committee, 2002-06  
Chair, San Diego County Paramedic Protocol Revision Committee, 2002-06  
San Diego County Public Health Services Physicians Group, 2003-06  
SAEM EMS Interest Group, 2001-2006 (Co-chair 2003-04)  
San Diego County Healthcare Advisory Committee on Terrorism, 2003-06  
San Diego County Paramedic Training Joint Advisory Committee, 2000-06  
San Diego County Public Health Preparedness Team, 2001-06  
EMS Section, American College of Emergency Physicians, 2001-06  
Chair, San Diego County Aeromedical Protocol Committee, 1998-2006  
San Diego County Committee on Pediatric Emergency Medicine, 1998-2006

PREVIOUS COMMITTEE MEMBERSHIPS, continued:

San Diego County Base Hospital Physicians Committee, 1997-2006  
San Diego County Trauma Audit Committee, 1997-2006  
San Diego County Prehospital Audit Committee, 1997-2006  
EMS Medical Director's Association of California, 2002-06  
SAEM Program Committee, 2001-2007  
Chair, Photography Subcommittee, SAEM Program Committee, 2002-2007  
Training Committee, San Diego County Metropolitan Medical Strike Team, 2001-09  
San Diego BEACON/EMS Hub Technical Committee, 2012-13  
San Diego Central Jail Quality Assurance Committee, 1999-2013  
San Diego Central Jail Medical Oversight Committee, 1999-2013  
Resuscitative Outcomes Consortium (ROC) Executive Committee, 2014-15  
Resuscitative Outcomes Consortium (ROC) EMS Operations Committee, 2014-15  
Resuscitative Outcomes Consortium (ROC) Management Committee, 2014-15  
Resuscitative Outcomes Consortium (ROC) Hospital Practices Cardiac Committee, 2014-15  
Resuscitative Outcomes Consortium (ROC) Publications Committee, 2014-15  
Resuscitative Outcomes Consortium (ROC) Cardiac Committee, 2014-15  
Resuscitative Outcomes Consortium (ROC) Trauma Committee, 2014-15  
Carlsbad Fire Department EMS Oversight Committee, 2013-17

CURRENT FUNDED RESEARCH:

1. Co-Investigator with Chris Coyne for study entitled, “FOCUS program (On the Frontlines of Communities in the United States): Routine Screening for HCV Infection at the UCSD Hillcrest and Thornton Emergency Departments”. Funded by Gilead, 2018-present. Amount: \$306,770.
2. Principal Investigator for study entitled, “A hospital-based retrospective chart review to assess the management of acute agitation in adult patients with schizophrenia and related disorders, and bipolar disorder presenting to the emergency department (ED) in the US.” Funded by BioXcel, 2021-present. Amount: \$58,151.15.
3. Co-Investigator with Chris Coyne for study entitled, “HIGH NOTE: High Sensitivity Near Patient Cardiac Troponin.” Funded by Quidel. 2021-present. Amount: pending

PREVIOUS FUNDED RESEARCH:

1. Co-Investigator with Tom Neuman (PI) for evaluation of positional asphyxia in the hobble restraint position, funded by the County of San Diego, 1995--\$33,900
2. Co-Investigator, with Theodore Chan (PI), for evaluation of the Melker percutaneous cricothyrotomy kit in human cadavers, funded by Cook Medical Products, 1997--\$10,000
3. Co-Investigator with John Eisele (PI) for the evaluation of positional asphyxia in the hobble restraint position with weight on subjects' backs, funded by the American Academy of Forensic Sciences, 1998--\$2,500
4. Co-Investigator, with Theodore Chan (PI), for study entitled, "The Impact of Oleoresin Capsicum Spray on Respiratory Function in Human Subjects in the Sitting and Prone Maximal Restraint Positions." Study funded by the National Institute of Justice, U.S. Department of Justice, 1998-99. UCSD No. 98-7107; USDOJ Federal Award #98-IJ-CX-0079. Amount: \$128,176
5. Principle Investigator (PI) for study entitled "Evaluation of Hurricaine anesthetic in patients with dyspepsia" funded by Beutlich Pharmaceuticals for, 2001. Amount: \$1,500
6. Co-Investigator, with Theodore Chan (PI), for evaluation of the Melker percutaneous cricothyrotomy kit in human cadavers, funded by Cook Medical Products, 2003. Amount: \$12,000
7. Co-Investigator, with David Hoyt (PI) for the Resuscitation Outcomes Consortium: UCSD / San Diego Resuscitation Research Center, funded by the NIH, 9/1/04 to 6/30/09. UO1 HL077908. Amount: \$2,250,522
8. Co-Principal Investigator (Co-PI), with Theodore Chan, for study entitled, "The effect of Taser on Cardiac, Respiratory and Metabolic Physiology in Human Subjects." Study funded by the National Institute of Justice, U.S. Department of Justice, 10/1/2005 to 9/30/2007. UCSD No. 2006-0846; USDOJ Federal Award #98-IJ-CX-0079. Amount: \$213,941.4
9. Co-Investigator, with Daniel Davis (PI) for the study entitled, "ROC Interventional Trials: Hypertonic Resuscitation for Traumatic Injury, Trauma Epistry, PRIMED", funded by the NIH, 7/1/06 to 6/30/08. UO1 HL077863. Amount: \$331,320
10. Co-Investigator, with Daniel Davis (PI) for the, "ROC Cardiac Epistry", funded by the AHA, 7/1/06 to 6/30/08. Amount: \$133,427
11. Co-Investigator, with Theodore Chan (PI) for study entitled, "Multi-Center Study of the Impact of Nurse-Patient Ratios on Emergency Department Overcrowding." funded by the Emergency Medicine Foundation, 7/1/07 to 6/30/08. Amount: \$50,000
12. Principal Investigator (PI) for study entitled, "Evaluation of the Ventilatory and Respiratory Effects of a Restraint Chair on Human Subjects." Funded by the Institute for the Prevention of In-Custody Deaths, Inc, 1/1/07 to 12/31/07. Amount: \$11,658

PREVIOUS FUNDED RESEARCH (cont):

13. Co-Investigator, with Edward Castillo (PI) for study entitled, "California ED Diversion Project Evaluation." funded by the California Healthcare Foundation, 5/15/08 to 10/15/08. Amount: \$50,990
14. Principal Investigator (PI) for study entitled, "Ventilatory Effects of Prone Restraint on Obese Human Subjects." Funded by the Institute for the Prevention of In-Custody Deaths, Inc, 1/1/09 to 12/31/09. Amount: \$13,423
15. Principal Investigator (PI) for study entitled, "FAST TRAC: Finding ACS with Serial Troponin Testing for Rapid Assessment." Funded by the Nanosphere, Inc. 2/1/09 to 2/1/11. Amount: \$85,000
16. Principal Investigator (PI) for study entitled, "CHOPIN: Copentin Helps in the Early Detection of Patients with Acute Myocardial Infarction." Funded by Brahms AG, 8/1/09 to 8/1/12. Amount: \$103,950
17. Co-Investigator, with Christine Hall for the study titled, "RESTRAINT - Risk of dEath in Subjects That Resisted: Assessment of Incidence and Nature of faTal events", funded by the Vancouver Island Health Authority. 7/1/09 to 6/30/11. Amount \$50,000
18. Co-Investigator for study titled "STAT MERCURY: Studying the Treatment of Acute HyperTension: A Multicenter EmeRgency Department Clevidipine Utilization RestrY" funded by the Medicines Company, 7/27/10 to 11/1/11. Amount \$1400
19. Co-Investigator for study titled "A Phase II, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Safety and Efficacy of MN-221 when Administered Intravenously as an Adjunct to Standard Therapy to Adults with an Acute Exacerbation of Asthma." Study funded by MediciNova, Inc. 1/1/11 to 1/31/12. Amount \$50,000
20. Principle Investigator for study titled "AKINESIS: Acute Kidney Injury N-gal Evaluation of Symptomatic heart failure." Study funded by Alere and Abbott, 4/1/11 to 6/30/12. Amount \$32,000
21. Principle Investigator for study titled "Evaluation of Ecallantide (DX-88) for the Acute Treatment of Angiotensin Converting Enzyme Inhibitor Induced Angioedema, a Phase II, double-blind study. Study funded by Dyax Corporation. 4/1/11 to 6/30/12. Amount \$20,000
22. Principle Investigator for study titled "REAL: Rapid Evaluation of Acute Kidney Injury with NGAL in Acutely Ill Patients in the ICU." Study funded by Alere, 5/1/11 to 6/30/12. Amount \$74,435
23. Principle Investigator for study titled "A Mulit-Center, Open-Label, Surveillance Trial to Evaluate the Safety and Efficacy of a Shortened Infusion Time of Intravenous Ibuprofen Protocol CPI-CL-015." Study funded by Cumberland Pharmaceuticals, Inc., 6/1/11 to 6/30/12. Amount \$50,000

PREVIOUS FUNDED RESEARCH (cont):

24. Co-Investigator, with Edward Castillo (PI) for the study titled, "Restraint Chair Literature Review and Policy Gap Analysis", funded by the Ontario Ministry of Community Safety and Correctional Services, 7/1/13 to 9/30/13. COS-0010. Amount: \$15,000
25. Co-Investigator, with Daniel Davis (PI) for the study titled, "Resuscitation Outcomes Consortium (ROC) Regional Clinical Center, San Diego", funded by the NIH, 3/1/10 to 6/30/14. U01 HL077908-09. Amount: \$1,389,389
26. Co-Investigator with Edward Castillo (PI) for study entitled, "Diagnostic Evaluation using ClearView in Decision Making in the Emergency Room". Funded by EPIC Research and Diagnostics, Inc, 2012-2014. Amount: \$650,840.10 (based on 570 total participants).
27. Co-Investigator with Edward Castillo (PI) for study entitled, "Point-of-Care Testing for Illicit Drugs and Alcohol Intoxication in an Emergency Room". Funded by the National Institute on Drug Abuse through Seacoast Science, Inc., 2013-2015. Amount: \$50,163.
28. Co-Investigator with Edward Castillo (PI) for study entitled, "Evaluation of downward force placed onto prone subjects." Funded by the Institute for the Prevention of In-Custody Deaths, Inc., 2014-2015. Awarded, contract in process. Amount: \$7,500.
29. Co-Investigator with Edward Castillo (PI) for study entitled, "Acute Bacterial Skin and Skin Structure Infection (abSSSI) Practice Pattern Assessment." Funded by Durata Therapeutics International B.V., 2014-2015. Amount: \$15,000.
30. Co-Investigator with Edward Castillo (PI) for study entitled, "Exploring emergency room physician's knowledge and attitudes concerning the use of appropriate and safe home care as an alternative to hospital admission." Funded by the Gary and Mary West Health Institute, 2014-2015. Amount: \$118,021.
31. Co-Investigator with Allyson Kreshak (PI) for study entitled, "Telephone, Text or Type? Comparing Tools for Improving Physician-Patient Communication Beyond the Walls of the Emergency Department after Discharge." Funded by the UCSD Academy of Clinician Scholars, 2014-2015. Amount: \$10,000.
32. Principal Investigator (PI) for the study titled, "Resuscitation Outcomes Consortium (ROC) Regional Clinical Center, San Diego", funded by the NIH, 7/1/14 to 12/31/15. U01 HL077908-09. Amount: NCE
33. Principal Investigator (PI) for study entitled, "EXCITATION Study: Unexplained In-Custody Deaths: Evaluating Biomarkers of Stress and Agitation." Study funded by the National Institute of Justice, U.S. Department of Justice, 11/1/2012 to 6/30/2016. USDOJ Federal Award # 2012-R2-CX-K006. Amount: \$431,943
34. Principal Investigator (PI) for the study titled, "Resuscitation Outcomes Consortium (ROC) Protocol -ALPS", funded by the NIH, 7/1/13 to 12/31/15. 5U01HL077863-11 subaward 758500. Amount: \$289,003



PREVIOUS FUNDED RESEARCH (cont):

35. Co-Investigator with Edward Castillo (PI) for study entitled, “Acute Home Care as an Alternative to Inpatient Admission from the Emergency Department”. Funded by the Gary and Mary West Health Institute, 2015 – 2016. Amount: \$499,125.
36. Co-Investigator with Theodore Chan (PI) for study entitled, “The Gary and Mary West Geriatric Center of Excellence (West COE): Phase 1 Research Development”. Funded by the Gary and Mary West Health Institute, 2015-2016. Amount: \$243,610.
37. Co-Investigator with Chris Coyne (Co-PI) for study entitled, “A blinded non-randomized comparison of inhaled loxapine (ADASUVE®) versus IM haloperidol/lorazepam”. Funded by Teva Pharmaceuticals, 2015-2019. Amount: \$28,300.
38. Co-Principal Investigator with Susan Little for study entitled, “FOCUS program (On the Frontlines of Communities in the United States): Routine Screening for HIV Infection at the UCSD Hillcrest and Thornton Emergency Departments”. Funded by Gilead, 2016-2018. Amount: \$490,937.41.

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3. Guidelines for Investigating Officer-Involved Shootings, Arrest-Related Deaths and Deaths in Custody. Ross DL, Vilke GM (Eds.); New York and London: Routledge. 2017.

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5. Vilke GM: Bladder Aspiration. In: Atlas of Emergency Procedures. Rosen P, Chan TC, Vilke GM, Sternbach G (Eds.); St. Louis: Mosby, Inc., 2001, pp 130-131.
6. Vilke GM: Dorsal Slit in Phimosis. In: Atlas of Emergency Procedures. Rosen P, Chan TC, Vilke GM, Sternbach G (Eds.); St. Louis: Mosby, Inc., 2001, pp 132-133.
7. Vilke GM: Manual Paraphimosis Reduction. In: Atlas of Emergency Procedures. Rosen P, Chan TC, Vilke GM, Sternbach G (Eds.); St. Louis: Mosby, Inc., 2001, pp 134-135.
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9. Hayden SR, Silfvast T, Deakin CD, Vilke GM: Surgical Procedures. In: Prehospital Trauma Care. Soreide E, Grande CM (Eds.); New York: Marcel Dekker, Inc., 2001, pp 323-354.
10. Hayden SR, Thierbach A, Vilke GM, Sugrue M: Patient Turnover: Arriving and Interacting in the Emergency Department. In: Prehospital Trauma Care. Soreide E, Grande CM (Eds.); New York: Marcel Dekker, Inc., 2001, pp 737-751.

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18. Vilke GM: Variants of Normal. In: ECG in Emergency Medicine and Acute Care. Chan TC, Brady WJ, Harrigan RA, Ornato JP, Rosen P (Eds.); Philadelphia: Elsevier Mosby, 2005, pp 12-15.
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21. Vilke GM: Painful Syndromes of the Hand and Wrist. In: Harwood-Nuss' Clinical Practice of Emergency Medicine fourth edition. Editor-in-chief: AB Wolfson. Philadelphia: Lippincott Williams and Wilkins, 2005, pp 536-540.

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23. Sloane C, Vilke GM: Riot Control Agents, Tasers and Other Less Lethal Weapons. In: Sudden Deaths in Custody. Ross DL, Chan TC (Eds.); New Jersey: Humana Press, 2006, pp 113-138.
25. Vilke GM: *Clostridium botulinum* Toxin (Botulism) Attack. In: Disaster Medicine. Ciotto GR (Ed.); Boston: Elsevier Mosby, 2006, pp 701-704.
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27. Patel R, Reynoso J, Vilke GM: Genitourinary Trauma. In: Emergency Medicine Handbook. Clinical Concepts for Clinical Practice. Roppolo LP, Davis D, Kelly SP, Rosen P (Eds.); Philadelphia: Elsevier Mosby, 2007, pp 164-173.
28. Vilke GM: Extremity Trauma, Penetrating. In: Rosen & Barkin's 5-Minute Emergency Medicine Consult (third edition). Schaider JJ, Hayden SR, Wolfe RE, Barkin RM, Rosen P (Eds.); Philadelphia: Lippincott Williams & Wilkins, 2007, pp 392-393.
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38. Wilson MP, Vilke GM. Not all ear pain is acute otitis media...and not all require antibiotics! In: Avoiding Common Errors in the Emergency Department. Mattu A, Chanmugam AS, Swadron SP, Tibbles CD, Woolridge DP (Eds) Philadelphia: Lippincott Williams and Wilkins, 2010, pp 520-522.
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49. Vilke GM: Fournier Gangrene. In: Rosen & Barkin's 5-Minute Emergency Medicine Consult (fifth edition). Schaider JJ, Barkin RM, Hayden SR, Wolfe RE, Barkin RE, Shayne P, Rosen P (Eds.); Philadelphia: Lippincott Williams & Wilkins, 2015, pp 434-435.
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227. Castillo EM, Morgan AO, Vilke GM, Killeen JP, Hsia RY, Brennan JJ. Characteristics of Frequent Users of Emergency Departments With Pain-Related Diagnoses. Ann Emerg Med 2016;68(4):S56-57.
228. Brennan JJ, Vilke GM, Killeen JP, Hsia RY, Castillo EM. Trends Among Emergency Department Visits for Suicide-Related Diagnoses, 2008 – 2014. Ann Emerg Med 2016;68(4):S385.
229. Coyne CC, Brennan JJ, Castillo EM, Vilke GM. Cancer-Related Emergency Department Bounce Backs: Describing the Population and Assessing Outcomes. Ann Emerg Med 2016;68(4):S387.
230. Kurz M C, Schmicker R, Leroux B, Nichol G, Aufderheide T, Cheskes S, Gray R, Jasti J, Kudenchuk P, Vilke G, Buick J, Wittwer L, Shani R, Brienza A, Straight R and Wang H E: Abstract 16472: Advanced vs. Basic Life Support in the Treatment of Out-of-Hospital Cardiopulmonary Arrest in the Resuscitation Outcomes Consortium. Circulation. 2016;134:A16472.
231. Cheskes S, Schmicker R, Morrison L, Rea T, Grunau B, Drenna I, Leroux B, Vaillancourt C, Schmitt A, Kudenchuk P, Aufderheide T, Herren H, Vilke G, Flickinger K, Charleston M, Straight R, Jasti J, Christenson J: Abstract 13871: Does Compliance With a Global Cpr Quality Benchmark Predict Survival From Out-Of-Hospital Cardiac Arrest? Circulation. 2016;134:A13871
232. Castillo EM, Ko K, Howard J, Vilke GM, Hsia R, Killeen JP, Brennan J. The Rate and Patient Characteristics of 7-Day ED Revisits among Senior Patients. Acad Emerg Med 2017; 24 (S1):S37-S38.
233. Hornbeak K, Castillo EM, Sloane C, Vilke GM. Injuries Associated with Law Enforcement Use-of-force Incidents with and without Subject Intoxication. Acad Emerg Med 2017; 24 (S1):S131.

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234. Coyne C, Li D, Brennan J, Castillo E, Vilke GM. Evaluating cancer-related pain management in the emergency department setting. Acad Emerg Med 2017; 24 (S1):S148-S149.
235. Brennan J, Vilke GM, Hsia R, Killeen JP, Castillo EM. Emergency department visits following hospital admissions. Acad Emerg Med 2017; 24 (S1):S159.
236. Vilke GM, Holman M, Brennan B, Castillo EM. Evaluation of the Risk of Carotid Artery Injury in Strangulation. Acad Emerg Med 2017; 24 (S1):S211-S212.
237. Coyne CJ, Brennan J, Castillo EM, Vilke GM. Conducting Meaningful Population-Based Research on Patients with Cancer Who Present To the Emergency Department - A Study on The Methodology of Categorization. Acad Emerg Med 2017; 24 (S1):S223.
238. Miller A, Brennan J, Vilke GM, Castillo EM. Knowledge and Concern over Ingredients in Packaged Food and Personal Hygiene Products among Emergency Department Patients. Acad Emerg Med 2017; 24 (S1):S248.
239. Killeen JP, Castillo EM, Vilke GM, Chan TC, Dunford JK, Kahn C, Powell R, Sparks J, Pringle J, Chavez DJ, Branning MD. Prehospital to Emergency Department Data Exchange-a SAFR Transition of Care. Ann Emerg Med 2017; 70(4): S2.
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242. Kreshak, Tolia VT, Chan TC, Killeen JP, Vilke GM, Castillo EM. A Four-Year Descriptive Analysis of Geriatric Patients' Visits to the Emergency Department. Ann Emerg Med 2017; 70(4): S97.
243. Nakajima Y, Brennan JJ, Castillo EM, Vilke GM. Factors Associated with Ambulance Use in Emergency Department Patients. Ann Emerg Med 2017; 70(4): S102.
244. Tolia VT, Chan TC, Killeen JP, Vilke GM, Kreshak AA, Castillo EM. Evaluation of Mobility and Fall Risk among Seniors Presenting to the Emergency Department. Ann Emerg Med 2017; 70(4): S102.
245. Tolia VT, Chan TC, Killeen JP, Vilke GM, Kreshak AA, Castillo EM. Identification of Unrecognized Delirium in Senior Emergency Department Patients. Ann Emerg Med 2017; 70(4): S105.

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247. Coyne CJ, Ence T, Smyres C, Brennan J, Castillo E, Vilke GM. The relationship between medication knowledge, perceived importance, and medication adherence. *Ann Emerg Med* 2017; 70(4): S169.
248. Vilke GM, Brennan JJ, Chan TC, Hsia RY, Killeen JP, Castillo EM. Emergency Department Utilization Three Days Prior to a Septicemia Diagnosis among Geriatric Patients. *Acad Emerg Med* 2018;70(4):S45.
249. Coyne CJ, Ha E, Brennan JJ, Castillo EM, Birring P, Shah S, Vilke GM. Cancer-Related Venous Thromboembolism in the Emergency Department: A Retrospective Cohort Study. *Acad Emerg Med* 2018;70(4):S72.
250. Castillo EM, Vuong CL, Vilke GM, Brennan JJ, Hsia RY, Killeen JP. 30-Day Readmissions among Elderly Patients Discharged with an Acute Myocardial Infraction. *Acad Emerg Med* 2018;70(4):S120.
251. Coyne CJ, Brennan JJ, Castillo EM, Vilke GM. Cancer-Related Emergency Department Visits in the Elderly: Comparing Characteristics and Outcomes. *Acad Emerg Med* 2018;70(4):S121.
252. Vilke GM, Lutz M, Sloane C, Castillo E, Brennan J, Swift S, Coyne C. Physiological Effects of a Spit Sock. *Ann Emerg Med* 2018; 72(4): S56.
253. Tolia VM, Kreshak AA, Chan TC, Brennan JJ, Vilke GM, Castillo EM. Initial Risk Screening and Impact of Evaluation for Geriatric Emergency Department Patients. *Ann Emerg Med* 2018; 72(4): S83.
254. Castillo EM, Cronin AO, Chan TC, Brennan JJ, Vilke GM, Killeen JP, Hsia RY. Trends in Drug and Alcohol Use from 2008 Through 2016. *Acad Emerg Med* 2019; 26(S1):S41.
255. Castillo EM, Brennan JJ, Hsia RY, Vilke GM, Killeen JP, Chan TC. Trends in Emergency Department Discharges from 2008 Through 2016. *Acad Emerg Med* 2019; 26(S1):S61.
256. Castillo EM, Tolia VM, Kreshak AA, Brennan JJ, Chan TC, Vilke GM, Hsia RY. A Description of Geriatric Patients Presenting to California Emergency Departments for a Fall-Related Complaint. *Acad Emerg Med* 2019; 26(S1):S90-1.

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258. Tolia VM, Chan TC, Brennan JJ, Castillo EM, Vilke GM, Wardi G, Kreshak AA. The Impact of a Short Hospital Worker Strike on Emergency Department Utilization. Acad Emerg Med 2019; 26(S1):S236.
259. Vilke GM, Mash D, Pardo M, Bozeman W, Hall C, Sloane C, Wilson M, Coyne CJ, Xie C, Castillo EM. Excitation Study — Unexplained In-Custody Deaths: Evaluating Biomarkers of Stress and Agitation. Acad Emerg Med 2019; 26(S1):S260.
260. Castillo EM, Tolia VM, Chan TC, Vilke GM, Kreshak AA, Brennan JJ. Impact of an Emergency Nurse Geriatric Specialist on Admissions and Emergency Department Revisits. Acad Emerg Med 2020; 27(S1):S152.
261. Castillo EM, Vuong C, Brennan JJ, Chan TC, Cronin AO, Vilke GM. Electric Scooter-Related Injuries after Their Introduction into a Large Metropolitan Area. Acad Emerg Med 2020; 27(S1):S183.
262. Castillo EM, Cronin AO, Vilke GM, Killeen JP, Brennan JJ. Emergency Department Utilization Trends during the COVID-19. Ann Emerg Med 2020; 76(4):S66.
263. Castillo EM, Brennan JJ, Cronin AO, Killeen JP, Vilke GM. COVID-19 Symptoms among Emergency Department Patients and Implications for Screening. Ann Emerg Med 2020; 76(4):S66-67
264. Cronin AO, Frink ER, Vilke GM, Killeen JP, Castillo EM. Influenza Reporting in an Academic Health System. Ann Emerg Med 2020; 76(4):S67.
265. Childers R, Vilke GM, Brennan JJ, Castillo EM. A Descriptive Study of Antibiotic Use for Acute Respiratory Infections in Urgent Care Patients. Acad Emerg Med 2021; 28(S1):S267.
266. Vilke GM, Kreshak AA, Castillo EM, Cronin AO, Prochnow C. Characteristics of 72-Hour Emergency Department Visits. Acad Emerg Med 2021; 28(S1):S285-6.
267. Carlile M, Vilke GM, Killeen J, Tolia V, Kreshak A, Castillo EM, Dameff C. Impact of Clinical Informatics Tools on Critical Care Billing in an Academic Emergency Department. Acad Emerg Med 2021; 28(S1):S286-7.
268. Brennan J, Vilke G, Tolia V, Castillo EM. Novel Coronavirus (COVID-19) Positivity Rates Among Hispanic Emergency Department Patients. Acad Emerg Med 2021; 28(S1):S321.

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269. Childers R, Childers R, Liotta B, Wang P, Katoula J, Thien T, Montilla-Guedez H, Vilke G, Castillo E, Brennan J. Overdiagnosis of Urinary Tract Infections in the Emergency Department. *Ann Emerg Med* 2021;78(4S):S113.
270. Childers R, Liotta B, Wang P, Katoula J, Thien T, Montilla-Guedez H, Vilke J, Castillo E, Brennan J. Overdiagnosis of Urinary Tract Infections in the Emergency Department. *Annals of Emergency Medicine*. 2021;78(4):S113. From the American College of Emergency Physicians 2021 Annual Meeting. doi: 10.1016/j.annemergmed.2021.09.292.
271. Kwong M, Hockett S, Martel M, Rossom R, Vilke GM, Wilson MP. Acute Agitation Management in Patients with Schizophrenia or Bipolar Disorder in Emergency Departments in the United States - A Retrospective Chart Review. Annual Update on Behavioral Emergencies Conference. Scottsdale, Arizona, December 8, 2022.

ORAL PRESENTATIONS AT NATIONAL MEETINGS:

1. Chan TC, Buchanan J, Anderson M, Vilke GM: Patient ethnicity and age in prehospital emergency Ambulance use and acuity rates. NAEMSP Mid-Year Meeting, Lake Tahoe, Nevada; July 1998.
2. Vilke GM, Dunford JV, Buchanan J, Chan TC: Are opiate overdose deaths related to patient release after naloxone? ACEP Research Forum, San Diego, California; October 1998.
3. Gerling MC, Hamilton RS, Davis DP, Morris GF, Vilke GM, Hayden SR: The effects of cervical spine immobilization on technique and laryngoscope blade selection on an unstable cervical spine injury in a cadaver model of intubation. ACEP Research Forum, San Diego, California; October 1998.
4. Vilke GM, Chan TC, Ray LU, Anderson ME: Use of prehospital crash injury data to assess regional automobile safety restraint use. NAEMSP Annual Meeting, Marcos Island, Florida; January 1999.
5. Chew GS, Chan TC, Bramwell K, Davis DP, Vilke GM: Does gastric distention from air insufflation affect the accuracy of the syringe esophageal detector device in detecting esophageal intubation? SAEM Western Regional Research Forum, Redondo Beach, California; March 1999.
6. Davis DP, Kimbro T, Vilke GM: The use of midazolam for prehospital rapid-sequence intubation may be associated with a dose-related increase in hypotension. NAEMSP Annual Meeting, Dana Point, California; January 2000.
7. Marino AT, Sharieff G, Gerhart AE, Chan TC, Vilke GM: The efficacy and complication rate of prehospital midazolam for the treatment of pediatric seizures. NAEMSP Annual Meeting, Dana Point, California; January 2000.
8. Eisele JW, Chan T, Vilke G, Neuman T, Clausen J: Effect of weight placed on the back of subjects in the hobble restraint position. American Academy of Forensic Sciences Annual Meeting, Reno, Nevada; February 2000.
9. Chan TC, Vilke GM, Neuman TS, Clark RF, Clausen JL: The effect of oleoresin capsicum spray inhalation on pulmonary and respiratory function. SAEM Western Regional Research Forum, Portland, Oregon; April 2000.
10. Vilke GM, Chan TC, Seltzer A, Fisher R, Dunford JV: Outcome of out-of-hospital refusal of paramedic transport by parents of pediatric patients. State of California EMS Authority EMS for Children Annual Conference, San Diego, California; November 2000.
11. Deitch S, Vilke GM, Marino A, Vroman D, Chan TC: Effect of prehospital use of nitroglycerine on EKG findings in patients with chest pain. American Academy of Emergency Medicine Annual Conference, Orlando, Florida; March 2001.

ORAL PRESENTATIONS AT NATIONAL MEETINGS, continued:

12. Vilke GM, Steen PJ, Smith AM, Chan TC: Pediatric intubation by paramedics: The San Diego County experience. SAEM Western Regional Research Forum, Irvine, California; March 2001.
13. Davis DP, Ochs M, Hoyt DB, Dunford JV, Vilke GM: The use of the Combitube as a salvage airway device for paramedic RSI. SAEM Western Regional Research Forum, Irvine, California; March 2001.
14. Chan TC, Dunford JV, Vilke GM: Impact of a community multidisciplinary homeless outreach team. SAEM Annual Meeting, Atlanta, Georgia; May 2001.
15. Chan TC, Dunford JV, Vilke GM: Impact of a community multidisciplinary homeless outreach team. CAL/ACEP Scientific Assembly, Santa Clara, California; June 2001. (Won Award for Best Oral Presentation)
16. Valentine C, Davis D, Ochs M, Hoyt D, Bailey D, Vilke G: The use of the Combitube as a salvage airway device for paramedic rapid sequence induction. NAEMSP Annual Meeting, Tucson, Arizona; January 2002.
17. Vilke GM, Lev R, Castillo EM, Metz MA, Murrin PA, Chan TC: Prospective countywide trial to decrease Ambulance diversion hours. SAEM Western Regional Meeting, Scottsdale, Arizona; April 2003.
18. Vilke GM, Lev R, Castillo EM, Murrin PA, Chan TC: Prospective countywide trial to decrease Ambulance diversion hours. SAEM Annual Meeting, Boston, Massachusetts, May 2003.
19. Vilke GM, Lev R, Castillo EM, Metz MA, Murrin PA, Chan TC: San Diego County improved patient destination trial to decrease emergency department diversion hours and diverted patients. American College of Emergency Physicians Research Forum, Boston, Massachusetts; October 2003.
20. Vilke G, Castillo E, Metz M, Murrin P, Ray LU, Lev R, Chan T: Community trial to decrease Ambulance diversion of patients and hours. NAEMSP National Conference, Tucson, Arizona; January 2004.
21. Marcelyn Metz, Patricia Murrin, Gary M. Vilke: The three-phase EMS cardiac arrest model for ventricular fibrillation. ENA Annual Meeting; San Diego, California; October 2004.
22. Michalewicz, BA, TC Chan, GM Vilke, SS Levy, TS Neuman, and FW Kolkhorst: Ventilatory and metabolic demands during aggressive physical restraint in healthy adults. American College of Sports Medicine Annual Meeting, Denver, CO; June 2006. [*Medicine and Science in Sports and Exercise* 38(5 Supplement), 2006].
23. Vilke GM, Ali S, Simmons T, Witucki P, Wilson MP. Does an alcohol-based sanitizer impact breathalyzer levels? SAEM Annual Meeting, Chicago, Illinois; May 2012.



ORAL PRESENTATIONS AT NATIONAL MEETINGS, continued:

24. Childers R, Liotta B, Vilke G, Castillo E, Wang P, Brennan J. Urine Testing is Associated with an Increased Rate of Antibiotic Use in Emergency Department Patients at Risk of UTI Overdiagnosis. *Annals of Emergency Medicine*. 2020;76(4):S10. From the American College of Emergency Physicians 2020 Annual Meeting. doi:10.1016/j.annemergmed.2020.09.03.
25. Childers R, Vilke G, Brennan J, Castillo E. A descriptive study of antibiotic use for acute respiratory infections in urgent care patients. SAEM Annual Meeting, Virtual Meeting; May 2021.
26. Vilke GM, Billberry E, Preese J, Castillo EM, Brennan JJ, Chan TC. Impact of Implementation of a New Weapon Screening at an Urban Emergency Department. ACEP Research Forum, Boston, MA; October 27, 2021.
27. Vilke GM, Citrome L, Preskorn S, Rajachandran L, Risinger R. Dexmedetomidine Sublingual Film for Acute Agitation in Schizophrenia or Bipolar Disorder by Baseline Clinical Global Impression-Severity of Agitation. ACEP Research Forum, San Francisco, CA; October 1, 2022.
28. Kwong M, Hockett S, Martel M, Rossom R, Vilke GM, Wilson MP. Acute Agitation Management in Patients with Schizophrenia or Bipolar Disorder in Emergency Departments in the United States - A Retrospective Chart Review. Annual Update on Behavioral Emergencies Conference. Scottsdale, Arizona, December 8, 2022.



SELECTED SPEAKING ENGAGEMENTS:

1. “Death of a Child: How to Treat the Survivors” -- Grand Rounds, Department of Emergency Medicine, UCSD Medical Center; April 1996.
2. “Assessing GCS and the Field Neurologic Exam” -- Palomar College Paramedic Training; June 1998.
3. “Prehospital Shock”; “Management of the Field Trauma Patient” -- Mercy Air, Ventura County Lecture Series; August 1998.
4. “ER: Not Just a Television Show, But a Field of Research” -- Howard Hughes Foundation Lecture Series, University of California, San Diego; November 1998.
5. “Multi-Casualty Incident” -- UCSD Medical Center Trauma Conference; March 1999.
6. “Managing the Prehospital Multi-Casualty Incident” -- Southwestern College Paramedic Training Institute; May 1999.
7. “Aeromedical Transport: The Past and Current Environment” -- Trauma Morbidity and Mortality Conference, Children’s Hospital, San Diego, California; July 1999.
8. “Altitude Medicine”; “Carbon Monoxide Poisoning and Treatment Options”; “Aeromedical Transport Options”; “Emergent Airway Management Options” -- Rural Emergency Medicine Conference, Jackson Hole, Wyoming; August 1999.
9. “Abdominal and Chest Trauma in Sports” -- First Annual San Diego County Athletic Coaches Workshop, San Diego, California; June 2000.
10. “Tabletop Discussion on Chemical Weapon of Mass Destruction” -- Facilitator of Tabletop Training for San Diego County Metropolitan Medical Strike Team; July 2000.
11. “Pediatric IV Access”; “Spinal Immobilization”; “Children with Special Health Care Needs”; “Cardiovascular Emergencies” -- American Academy of Pediatrics Pediatric Education for Prehospital Professionals Conference, San Diego, California; November 2000.
12. “New Frontiers in Field Management of Pediatric Status Epilepticus” -- State of California EMS Authority Annual EMS for Children Conference, San Diego, California; November 2000.
13. “EMS Medical Control: Avoiding your Day in Court” -- ACEP’s Emergency Medicine Connection Conference, San Diego, California; March 2001.
14. “Pediatric Intubations by Paramedics” -- San Diego Chapter of the Committee on Pediatric Emergency Medicine; April 2001.
15. “Warfare and Terrorism: A Review of Chemical Agents -- San Diego County Metropolitan Medical Strike Team Training; August 2001.

SELECTED SPEAKING ENGAGEMENTS, continued:

16. "Bioterrorism and San Diego County" -- Council of Community Clinics Meeting; October 2001.
17. "Bioterrorism and San Diego County Readiness" -- CTN interview with Bill Horn; October 2001.
18. "Future of Prehospital Care" -- Keynote Speaker, Southwestern Paramedic College Graduation; November 2001.
19. "Biological Agents for Terrorism" -- San Diego County Metropolitan Medical Strike Team Training; November 2001.
20. "Clinical Aspects of Bioterrorist Agents" -- Palomar Paramedic College; November 2001.
21. "Clinical Aspects of Bioterrorism" -- Grand Rounds, Fallbrook Hospital; January 2002.
22. "Bioterrorism and San Diego County Readiness" -- Poway Town Hall Meeting; January 2002.
23. "Bioterrorist Preparedness" -- National Medical Association, San Diego County; January 2002.
24. "Chemical Agents of Terrorism: Diagnosis and Treatment" -- Topics and Advances in Internal Medicine, San Diego, California; March 2002.
25. "Bioterrorism: Implications for the Legal and Domestic Community" -- Thomas Jefferson School of Law, San Diego, California; April 2002.
26. "Prehospital Management of Pediatric Seizures" -- EMS-Children Annual Conference; San Diego, California; November 2002.
27. "Paramedicine – Past, Present and Future" -- Keynote Speaker, Southwestern Paramedic College Graduation; San Diego, California; December 2002.
28. "Medical Group Preparedness: How would you Respond to a Possible Victim of Bioterrorism?" -- Bioterrorism Preparedness Training Conference; San Diego California; January 2003.
29. "Update on Bioterrorism" -- The Western States Winter Conference on Emergency Medicine; Park City, Utah; January 2003.
30. "Academic Emergency Medicine and Research Opportunities" -- San Diego Health Information Association, San Diego, California; February 11, 2003.
32. "Blast and Radiological Injuries: Myths and Realities" -- San Diego County Metropolitan Medical Strike Team Training; San Diego, California; August 2003.

SELECTED SPEAKING ENGAGEMENTS, continued:

33. "Clinical Aspects of Bioterrorism" -- American Correctional Health Services Association, California and Nevada Chapter Annual Conference, San Diego, California; September 2003.
34. "Bioterrorism" -- UCSD/SDSU General Preventive Medicine Residency Lecture Series, La Jolla, California; October 2003.
35. "Prehospital Pediatric Airway Obstruction" -- Children's Hospital Grand Rounds, San Diego, California; July 2004.
36. "Future of Healthcare in San Diego: Trends Impacting our Delivery System" -- San Diego Organization of Healthcare Leaders, San Diego, California; August 2004.
36. "Firestorm 2003" -- Children's Hospital Grand Rounds, San Diego, California; January 2004.
37. "EMS research: Unique ethical and regulatory issues" -- Applied Research Ethics National Association Annual meeting, San Diego, California; October 2004.
38. "What happens when you call 911?" -- San Diego Sports Medicine Foundation, San Diego, California; October 2004.
39. "Making the Metropolitan Medical Response System Work for You" -- Emergency Response 2004 Conference, San Diego, California; November 2004.
40. "San Diego County Emergency Department Ambulance Bypass - Past, Present, Future" -- Urgent Matters Briefing, San Diego, California; November 2004.
41. "San Diego County Emergency Department Ambulance Bypass - Past, Present, and Future" -- San Diego Community Emergency Departments, San Diego, California; December 2, 2004.
42. "Emergency Response Management for Efficiency of Care and Fiscal Consideration" -- American Correctional Health Services Association, Oakland, California; April 2, 2005.
43. "Conducted Energy Devices -- Medical Updates and Issues" -- Police Executive Research Forum, Houston, Texas; October 18, 2005.
44. "Conducted Energy Devices Proximity Deaths and Medical Response" -- 2005 Critical Issues in Policing Series, Police Executive Research Forum, San Diego, California; December 8, 2005.
45. "Conductive Electrical Devices (Tasers®) and Patients with Excited Delirium for Law Enforcement and Emergency Medical Personnel" -- The U.S. Metropolitan Municipalities EMS Medical Directors Annual Meeting, Dallas, Texas; February 16, 2006.
46. "Tasers and Sudden Death" -- Keynote speaker at One Day Symposium on In-Custody Deaths by the Florida Sheriffs Association, Orlando, Florida; June 1, 2006.

SELECTED SPEAKING ENGAGEMENTS, continued:

47. “Medical Aspects of the Use of Force Continuum” -- Department of Justice Community Oriented Policing Services (COPS) Conference, Washington, DC; July 29, 2006.
48. “Resuscitation Outcomes Consortium” -- 7th Annual University of California Neurotrauma Meeting, Carmel, California; August 3, 2006.
49. “Use of Force: Sudden Death Myths and Excited Delirium” -- The Commission of Accreditation for Law Enforcement Agencies (CALEA) Less Lethal Technology Working Group Meeting, Washington, DC; September 10, 2006.
50. “Police In-Custody Deaths and the Taser Controversy” -- UCSD/SDSU General Preventive Medicine Residency Lecture Series, La Jolla, California; September 2006.
51. “Conductive Energy Devices: The medical aspects of Taser Electronic Control Devices (ECDs) and other Energy Devices” – Sudden Death, Excited Delirium and In-Custody Death Conference by the Institute for the Prevention of In-Custody Deaths, Inc. Las Vegas, Nevada; November 16-17, 2006.
52. “Cardiac, Respiratory and Metabolic Effects of EMD” – Study of Deaths Following Electro Muscular Disruption, Meeting of the Chief Medical Panel for the National Institute of Justice. Washington D.C.; January 9, 2007.
53. “The Medical Implications of Tasers and the Impact on EMS ” – National Association of EMS Physicians National Conference. Naples, FL; January 12, 2007.
54. “Excited Delirium” - Solutions For Corrections Seminar for the California State Sheriff’s Association. Ontario, CA; February 7, 2007.
55. “Excited delirium, positional asphyxia and restraint” -- EMS Today Conference, Baltimore, Maryland; March 10, 2007.
56. “Medical implications of Tasers and other Conductive Energy Devices” -- EMS Today Conference, Baltimore, Maryland; March 10, 2007.
57. “Excited Delirium” -- American Correctional Health Services Association, Oakland, California; September 19, 2007.
58. “Human Physiologic Effects of Tasers” – Study of Deaths Following Electro Muscular Disruption, Meeting of the Chief Medical Panel for the National Institute of Justice. Washington D.C.; September 27, 2007.
59. “The clinical impacts of TASER and other Conductive Energy Devices on Humans: A Review of the latest Medical Research” – Sudden Death, Excited Delirium and In-Custody Death Conference by the Institute for the Prevention of In-Custody Deaths, Inc. Las Vegas, Nevada; November 28-30, 2007.

SELECTED SPEAKING ENGAGEMENTS, continued:

60. “Physiological Effects of Tasers” – The City Council of Miami-Dade. Miami, Florida; January 17, 2008.
61. “Excited Delirium: What is it? Why does it kill? What do we need to know about it?” Western States Winter Conference on Emergency Medicine. Park City, Utah, February 8, 2008.
62. “Medical Effects of Tasers” – The City Council of Houston. Houston, Texas; March 10, 2008.
63. “Less Lethal Weapons” - Emergency Nurses Association, San Diego Chapter. San Diego, California; April 18, 2008.
64. “The Clinical Impacts of TASER and other Conductive Energy Devices on Humans and Why People Die Afterwards” -- American Correctional Health Services Association, San Diego, California; September 17, 2008.
65. “Police In-Custody Deaths and Excited Delirium” -- UCSD/SDSU General Preventive Medicine Residency Lecture Series, La Jolla, California; October 2008.
66. “The Clinical Impacts of TASER and other Conductive Energy Devices on Humans” – Sudden Death, Excited Delirium and In-Custody Death Conference by the Institute for the Prevention of In-Custody Deaths, Inc. Las Vegas, Nevada; October 29, 2008.
67. “Agitated Delirium – Role of Illicit Drug Use in Sudden Restraint Death” Western Medical Toxicology Fellowship Conference. San Diego, California; April 29, 2009.
68. “Conducted Energy Devices: Are They Safe Options?” Excited Delirium Conference by the Canadian Institute for the Prevention of In-Custody Deaths, Inc. Niagara Falls, Canada; May 26, 2009.
69. “The Physiologic Effects of the Taser on Humans” UCSD Biomedical and Clinical Research Seminars. San Diego, California; June 2, 2009.
70. “The Taser-Plastic Surgery Interface” UCSD Department of Plastic Surgery Grand Rounds. San Diego, California; June 17, 2009.
71. “ECD Research Update and Safety Issues” – Sudden Death, Excited Delirium and In-Custody Death Conference by the Institute for the Prevention of In-Custody Deaths, Inc. Las Vegas, Nevada; November 12, 2009.
72. “Use of the Restraint Chair and Positional Asphyxia” – Southern California Jail Manager’s Association. Temecula, California; January 21, 2010.

SELECTED SPEAKING ENGAGEMENTS, continued:

73. “Excited Delirium Challenges and Best ER Practices” Excited Delirium Conference by the Canadian Institute for the Prevention of In-Custody Deaths, Inc. Niagara Falls, Canada; April 19, 2010.
74. “Excited Delirium and TASERS: What Physicians Need to Know” – Grand Rounds Scripps Encinitas Hospital. Encinitas, California; July 15, 2010.
75. “Excited Delirium and TASERS: What Physicians Need to Know” – Grand Rounds University Medical Center. Las Vegas Nevada; August 10, 2010.
76. “Review of ECD Research and Reported Cardiac Capture” – Sudden Death, Excited Delirium and In-Custody Death Conference by the Institute for the Prevention of In-Custody Deaths, Inc. Las Vegas, Nevada; November 17, 2010.
76. “The Science Behind the American Heart Association ACLS Guidelines” – Puerto Vallarta ACLS Resuscitation Conference. Puerto Vallarta, Mexico; February 18, 2011.
77. “The Science Behind the American Heart Association ACLS Guidelines” – Cabo San Lucas ACLS Resuscitation Conference. Cabo San Lucas, Mexico; March 25, 2011.
78. “ROC Cardiac Arrest Outcomes” – San Diego Resuscitation Conference. San Diego, California; April 9, 2011.
79. “Do Electronic Control Devices Kill Humans: Review of the Data” – Sudden Death, Excited Delirium and In-Custody Death Conference by the Institute for the Prevention of In-Custody Deaths, Inc. Las Vegas, Nevada; November 16, 2011.
80. “Evaluation After Choking or Strangulation” – UCSD Forensic Nursing Conference. San Diego, California; April 28, 2012.
81. “Prehospital Hypothermia for Cardiac Arrest” – Santa Clara County EMS Conference. San Jose, California; May 23, 2012.
82. “The Science Behind the American Heart Association ACLS Guidelines” – Cabo San Lucas ACLS Resuscitation Conference. Cabo San Lucas, Mexico; August 21, 2012.
83. “Acute Cerebral Accidents” – Hermosillo ACLS Resuscitation Conference. Hermosillo, Sonora, Mexico; September 11, 2012.
84. “Excited Delirium Syndrome: TASERS, Restraints, and Sudden Death” – Emergency Nurses Association Annual Conference. San Diego, California; September 15, 2012.
85. “Electronic Control Devices and the not so Shocking Truth about their Lethality” – Sudden Death, Excited Delirium and In-Custody Death Conference by the Institute for the Prevention of In-Custody Deaths, Inc. Las Vegas, Nevada; November 14, 2012.

SELECTED SPEAKING ENGAGEMENTS, continued:

86. “Medical Evaluation and Detection of Dementia and Delirium” – Annual Update on Behavioral Emergencies Conference. Las Vegas, Nevada, December 5, 2012.
87. “Acute Cerebral Accidents” – Puerto Vallarta Resuscitation Conference. Puerto Vallarta Mexico; January 17, 2013.
88. “Excited Delirium Syndrome: TASERS, Restraints, and Sudden Death” – San Diego County Emergency Nurses Association 911 Conference. San Diego, California; April 19, 2013.
89. “Acute Cerebral Accidents” – Cabo San Lucas Resuscitation Conference. Cabo San Lucas Mexico; April 27, 2013.
90. “Acute Myocardial Infarction” – Mazatlan Resuscitation Conference. Mazatlan Mexico; May 7, 2013.
91. “Hypothermia Post Cardiac Arrest” –Acapulco Resuscitation Conference. Acapulco, Mexico; May 28, 2013.
92. “Bath Salts and In-Custody Death”- National Sheriff’s Association. Charlotte, NC; June 25, 2013.
93. “Updates in Cardiac Arrest: The ROC Trials” – Mexico Association of Emergency Medicine Emergency Update Conference. Mexico City, Mexico; June 28, 2013.
94. “Management of Head Trauma” – Mexico Association of Emergency Medicine Emergency Update Conference. Mexico City, Mexico; June 28, 2013.
95. “Hypothermia Post Cardiac Arrest” –La Paz Resuscitation Conference. La Paz, Mexico; July 22, 2013.
96. “Management of Head Trauma” – Mexico Association of Emergency Medicine Emergency Update Conference. Monterrey, Mexico; September 26, 2013.
97. “Updates in Cardiac Arrest: The ROC Trials” – Mexico Association of Emergency Medicine Emergency Update Conference. Monterrey, Mexico; September 26, 2013.
98. “Risk Management and Minimizing Malpractice Exposure” – UCSD Department of Orthopedics Grand Rounds, San Diego, CA October 2, 2013.
99. “Decreasing Your Risk in Labor and Delivery” – UCSD 9<sup>th</sup> Annual Perinatal Symposium, San Diego, CA October 11, 2013.
100. “Excited Delirium Syndrome: TASERS, Restraints, and Sudden Death” – UCSD Department of Emergency Medicine Grand Rounds, San Diego, CA November 11, 2013.



SELECTED SPEAKING ENGAGEMENTS, continued:

101. “Excited Delirium Syndrome” – Annual Update on Behavioral Emergencies Conference. Orlando, Florida; December 12, 2013.
102. “The importance of CT on the initial evaluation of a trauma patient: ABC or AB-CT ?” – Primero Simposium Internacional BNH con UCSD Celebrado en Los Cabos. Los Cabos, Mexico; December 7, 2013.
103. “Management of Head Trauma” –Emergency Medicine Update Conference. Puerto Vallarta, Mexico; December 18, 2013.
104. “Updates in Cardiac Arrest: The ROC Trials” – Emergency Medicine Update Conference. Puerto Vallarta, Mexico; December 18, 2013.
105. “Pulmonary Embolism: Evaluation and Treatment”- 25<sup>th</sup> Annual Mexico Emergency Medicine Congress. Acapulco, Mexico; February 20, 2014.
106. “Management of Head Trauma” –Emergency Medicine Update Conference. Puerto Vallarta, Mexico; March 5, 2014.
107. “Updates in Cardiac Arrest: The ROC Trials” – Emergency Medicine Update Conference. Puerto Vallarta, Mexico; March 5, 2015.
108. “Management of Burns” –Trauma Update Conference. Puerto Vallarta, Mexico; April 3, 2014.
109. “Management of Head Trauma” –Trauma Update Conference. Puerto Vallarta, Mexico; April 3, 2014.
110. “Cuffs, Chains and Chairs” – Restraint and In-Custody Death Conference by the Institute for the Prevention of In-Custody Deaths, Inc. Las Vegas, Nevada; April 24, 2014.
111. “Management of Burns” –Trauma Update Conference. Los Cabos, Mexico; June 5, 2014.
112. “Management of Head Trauma” - Primera Feria Annual de la Salud. Guadalajara, Mexico; July 18, 2014
113. “Management of Burns” - Primera Feria Annual de la Salud. Guadalajara, Mexico; July 18, 2014.
114. “Updates in Cardiac Arrest: The ROC Trials” – Primera Feria Annual de la Salud. Guadalajara, Mexico; July 18, 2014.
115. “Pulmonary Embolism: Evaluation and Treatment”- Primera Feria Annual de la Salud. Guadalajara, Mexico; July 18, 2014.

116. “Risk Management and Minimizing Malpractice Exposure” – UCSD Department of Anesthesia Pain Service Grand Rounds, San Diego, CA September 24, 2014.
117. “The ABCs of CPR” –Huatulco Resuscitation Conference. Huatulco, Mexico; October 2, 2014.
118. “Risk Management and Minimizing Malpractice Exposure” – UCSD Division of Gastroenterology Grand Rounds, San Diego, CA October 16, 2014.
119. “Identification and Treatment of Excited Delirium Syndrome” - Annual Update on Behavioral Emergencies Conference. Scottsdale, Arizona; December 11, 2014.
120. “Autopsy of an In-Custody Death” – Defense Research Institute Annual Conference, San Diego, CA January 30, 2015.
121. “TASERS: The shocking truth”- 26<sup>th</sup> Annual Mexico Emergency Medicine Congress. Mazatlan, Mexico; February 5, 2015.
122. “Resuscitation Update: CPR, Hypothermia and new devices” - 26<sup>th</sup> Annual Mexico Emergency Medicine Congress. Mazatlan, Mexico; February 5, 2015.
123. “Management of Head Trauma” - Segundo Feria Annual de la Salud. Guadalajara, Mexico; May 22, 2015.
124. “Updates in Cardiac Arrest: The ROC Trials” – Segundo Feria Annual de la Salud. Guadalajara, Mexico; May 22, 2015.
125. “Pulmonary Embolism: Evaluation and Treatment”- Segundo Feria Annual de la Salud. Guadalajara, Mexico; May 22, 2015.
126. “Resuscitation Update: CPR, Hypothermia and new devices” – Altitude and Travel Medicine Symposium. Cusco, Peru; August 21, 2015.
127. “Approaches to Stabilization, Transfer and Disposition of Tourist with Multiple Trauma – Altitude and Travel Medicine Symposium. Cusco, Peru; August 21, 2015.
128. “Risk Management and Minimizing Malpractice Exposure” – UCSD Department of Orthopedics Grand Rounds, San Diego, CA December 2, 2015.
129. “Ketamine and EMS” – Annual Update on Behavioral Emergencies Conference. Las Vegas, Nevada; December 3, 2015.
130. “Pulmonary Embolism: Evaluation and Treatment”- 27<sup>th</sup> Annual Mexico Emergency Medicine Congress. Puerto Vallarta, Mexico; February 4, 2016.
131. “The importance of CT on the initial evaluation of a trauma patient: ABC or AB-CT ?” – 27<sup>th</sup> Annual Mexico Emergency Medicine Congress. Puerto Vallarta, Mexico; February 4, 2016.

SELECTED SPEAKING ENGAGEMENTS, continued:

132. “Risk Management and Minimizing Malpractice Exposure” – UCSD Department of Dermatology Grand Rounds, San Diego, CA February 11, 2016.
133. “Remembering the Provider” – Southern California Association of Health Risk Managers, Palm Desert, CA May 4, 2016.
134. “The ABCs of CPR” –San Miguel Health Fair. San Miguel, Mexico; July 15, 2016.
135. “Beware of the Medically Fragile Patient”- Special Needs Conference by the Institute for the Prevention of In-Custody Deaths, Inc. Las Vegas, Nevada; March 7, 2017.
136. “Avances en Tromboembolia Pulmonar”- 3<sup>rd</sup> Annual Congreso Binacional de Medicine de urgencias y Trauma, Tijuana, Mexico; May 5, 2017.
137. “Caso Clinico de Trauma”- 3<sup>rd</sup> Annual Congreso Binacional de Medicine de urgencias y Trauma, Tijuana, Mexico; May 5, 2017.
138. “Avances en Aeromedicina”- 3<sup>rd</sup> Annual Congreso Binacional de Medicine de urgencias y Trauma, Tijuana, Mexico; May 6, 2017.
139. “Science of Restraint, Position/Compression and Asphyxia, and Science Behind Asphyxial Death” – Police Use of Force in Today’s World. Miami, FL; June 26, 2017.
140. “Excited Delirium Syndrome and the Risk of Litigation” – California Crisis Intervention Team Association Annual Meeting. Costa Mesa, CA; August 24, 2017.
141. “Medico-legal Issues in the Acutely Agitated Patient” – Coalition on Psychiatric Emergencies Pre-Conference. Scottsdale, Arizona, December 15, 2017.
142. “Updates on Excited Delirium” – Annual Update on Behavioral Emergencies Conference. Scottsdale, Arizona, December 15, 2017.
143. “When Should Ketamine be Used in the Treatment of Agitation?” – International Conference on Emergency Medicine. Mexico City, Mexico, June 8, 2018.
144. “Avances en Tromboembolia Pulmonar”- 3<sup>rd</sup> Annual Congreso Binacional de Medicine de urgencias y Trauma, Tijuana, Mexico; June 7, 2019.
145. “Excited Delirium in the ED: Clinical Pearls” – Southern California EM Symposium, Los Angeles, California. February 1, 2020.
146. “Updates in Treating Excited Delirium Syndrome”- 31<sup>st</sup> Emergency and Reanimation Congress, Acapulco, Mexico. February 12, 2020.
147. “Management of Acute Agitation in the Emergency Department”- 31<sup>st</sup> Emergency and Reanimation Congress, Acapulco, Mexico. February 12, 2020.

SELECTED SPEAKING ENGAGEMENTS, continued:

148. “Debate on Excited Delirium and Treatment” – Annual Update on Behavioral Emergencies Conference. Zoom, December 2, 2020.
149. “Excited Delirium Syndrome” – San Diego County Methamphetamine Strike Force. San Diego, California, December 4, 2020.
150. “Choose Your Mentor” – Deep Dive onto Clinical Research. King Fahd Hospital of the University, Saudi Arabia, August 22, 2021.
151. “Environmental Emergencies” - Mazatlán Beach Emergencies Conference. Mazatlán, Mexico, July 15, 2022.
152. “Summer Beach Cases” - Mazatlán Beach Emergencies Conference. Mazatlán, Mexico, July 15, 2022.
153. “Dexmedetomidine Sublingual Film for Acute Agitation in Schizophrenia or Bipolar Disorder” – ACEP Product Theater Presentation. San Francisco, CA, October 2, 2022.
154. “Los 5 artículos más relevantes del 2022”-5<sup>th</sup> Annual Congreso Binacional de Medicine de urgencias y Trauma, Tijuana, Mexico; November 4, 2022.
155. “COVID and Influenza Update” – Clinal East Cape Health Center Community Forum; Los Barriles, Mexico; November 10, 2022.
156. “Healthy in the Older Adult Population” – Punta de Mita Hospital; Punta de Mita, Mexico December 2, 2022.

**APPENDIX B**

**Testimony for last 4 years**

**Deposition Testimony**

July 19, 2019

A.B., etc, et al vs County of San Diego, et al  
U.S. District Court, Central District of California  
Case No.: 3:18-cv-01541-MMA-LL  
Attorney: Christina Vilaseca  
Defense: In Custody Death

September 30, 2019

Trinita Farmer v. Las Vegas Metropolitan Police Department, et. al.  
U.S. District Court District of Nevada  
Case No. 2:18-CV-00860-GMN-VCF  
Attorney: Matt Wolf  
Defense: In custody death, TASER, neck hold

December 19, 2019

Norma Montano, et al. v. Sean Esparza, et al.  
Pima County Superior Court  
Case No. C20180653  
Attorney: Nathan Metzger  
Defense: GSW to chest death

April 13, 2020

Christopher Lenihan v County of Los Angeles, et al.  
Superior Court of Los Angeles County  
Case No. BC656759  
Attorney: Michele Goldsmith  
Defense: EMS transport of heat related illness

June 11, 2020

Charmane Henderson v City of Torrance, et al.  
U.S. District Court, Central District of California  
Case No. 2:18-cv-03918-MWF-Ex  
Attorney: Michael Watts  
Defense: In custody death, TASER

August 7, 2020

Nyerges, et al v. Hillstone Restaurant Group, Inc.  
U.S. District Court, District of Arizona  
Case No.:2:19-cv-2376-DWL  
Attorney: Pari Scroggin  
Defense: Choking death

August 27, 2020

Shane Cavanaugh v. County of San Diego, et al.  
U.S. District Court Southern District of California  
Case No.: 18cv2557-BEN-LL  
Attorney: Fernando Kish  
Defense: Jail hanging

September 1, 2020

McAtee/George v. CoxHealth, et. al.  
Circuit Court of Taney County, Missouri at Forsyth  
Case No. : 1946-CC00124  
Attorney: Catherine Reade  
Defense: Urgent care pediatric heart failure

September 28, 2020

Monica Munoz v Bright Futures Academy, et al  
Superior Court of the State of California, County of San Bernardino  
Case No: CIVDS1721398  
Attorney: Elham Rabbani  
Defense: Compression asphyxia

October 30, 2020 (Part1)

Mussalina Muhaymin v City of Phoenix, et al  
U.S. District Court, District of Arizona  
Case No. CV-17-04565-PHX-SMB  
Attorney: Karen Stillwell  
Defense: In Custody Death

November 9, 2020

Estate of Todero v. City of Greenwood, et al.  
U.S. District Court, Southern District of Indiana, Indianapolis Division  
Case No. 1:17-cv-1698-JPH-MJD  
Attorney: James Stephenson  
Defense: In Custody Death

November 13, 2020

Teresa Perkins v. City of Anaheim  
U.S. District Court, Central District of California  
Case No. 8:19-cv-00315-JLS-JDE  
Attorney: Gregg Audet  
Defense: In Custody Death

November 19, 2020 (Part 2)

Mussalina Muhaymin v City of Phoenix, et al  
U.S. District Court, District of Arizona  
Case No. CV-17-04565-PHX-SMB  
Attorney: Karen Stillwell  
Defense: In Custody Death

December 15, 2020

M.H. and Juan Solano v County of Orange, et al.  
U.S. District Court, Central District of California  
Case No.: 8:19-cv-00549-JVS-ADS  
Attorney: Jeanne Tollison  
Defense: In Custody Death

December 16, 2020

Daniel Prude Grand Jury Investigation  
Rochester, NY  
Case No. N/A  
Attorney Jennifer Sommers  
Expert: In Custody Death

January 25, 2021

Katrina Eisinger, et al v. City of Anaheim, et al.  
Superior Court of the State of California, County of Orange  
Case No.:30-2018-010135259 CU-PA-CJC  
Attorney: Moses Johnson  
Defense: In Custody Death

February 4, 2021

Felicia Thompson v. Narinder Saukhla, MD, et al.  
U.S. District Court, Eastern District of California  
Case No. 2:18-cv-02422-WBS-KJN  
Attorney: Van Longyear  
Defense: Prison medical care

February 11, 2021

Ariel Barker v City of Plaquemine  
U.S. District Court, Middle District of Louisiana  
Case No. 3:17-cv-340  
Attorney: Tara Johnson  
Defense: In-custody death

May 5, 2021

Dongyuan Li . vs. City of Santa Ana, et al  
U.S. District Court, Central District of California  
Case No. 8:20-cv-00068-SB (JDEx)  
Attorney: Danielle Foster  
Defense: Heat Exhaustion

June 16, 2021

Shewanna Phillip v Harris County, et al  
U.S. District Court, Southern District of Texas  
Case No.: 4:18-cv-01586  
Attorney: Jennifer Callan



Defense: Jail cardiac arrest

June 28, 2021

Russell H. Dawson, et al. v South Correctional Entity (SCORE), et al.

U.S. District Court, Western District of Washington at Seattle

Case No.: 2:119-cv-01987-RSM

Attorney: Heidi Mandt

Defense: Jail medical care

June 29, 2021

Shewanna Phillip v Harris County, et al (part 2)

U.S. District Court, Southern District of Texas

Case No.: 4:18-cv-01586

Attorney: Jennifer Callan

Defense: Jail cardiac arrest

July 12, 2021

Michael Moore v. City of Los Angeles

U. S. District Court, Central District of California

Case No.: CV20-3053 AB (AGRx)

Attorney: Christian Bojorguez

Defense: police actions in ER

July 16, 2021

Quinta Sanders v. Cory Hutcheson, et al.

U. S. District Court, Eastern District of Missouri Southeastern District

Case No: 1:18-CV-00269

Attorney: Robert T. Plunkert

Defense: Cell extraction death

August 9, 2021

Anthony Gagliani, vs. Lexington County Sheriff's Department, et. al.

U.S. District Court District of South Carolina Columbia Division

Case No.: 3:20-cv-03737-JMC-SVH

Attorney: David DeMasters

Defense: Arrest related death

August 17, 2021

Hattie Mennecke v Graydon Skeoch, MD

Superior Court for the State of California, County of San Bernadino

Case No.: CIVDS1713937

Attorney: Thomas Bradford

Defense: Care of stroke patient

August 19, 2021

Ron Ely v County of Santa Barbara, et al

U. S. District Court, Central District of California

Case No: 2:20-cv-06549 DMG (SKx)

Attorney: Mary Pat Barry  
Defense: Stabbing death

August 23, 2021

B.P., as a minor, et al. v. County of San Bernardino, et al  
U. S. District Court, Central District of California  
Case No.: 5:19-cv-01243-JGB-SP  
Attorney: Pete Ferguson  
Defense: Arrest related death

August 24, 2021 (Part 1)

Anthony Perez, et al vs. American Ambulance  
U. S. District Court, Eastern District of California, Fresno Division  
Case No. 1:18-CV-00127-AWI-EPG  
Attorney: Rick Ryan  
Defense: EMS restraint death

September 8, 2021 (Part 2)

Anthony Perez, et al vs. American Ambulance  
U. S. District Court, Eastern District of California, Fresno Division  
Case No. 1:18-CV-00127-AWI-EPG  
Attorney: Rick Ryan  
Defense: EMS restraint death

September 10, 2021

Brian Dunnigan v York County, et al.  
U. S. District Court, Eastern District of Maine  
Case 2:19-cv-00450-GZS  
Attorney: Peter Marchesi  
Defense: TASER burns

September 20, 2021

Estate of Michael Barrera v. City of Woodland, et al.  
U. S. District Court, Eastern District of California  
Case No: 2:18-cv-00329  
Attorney: Derick Konz  
Defense: In custody death during restraint

September 21, 2021

Roberto and Michelle Carrillo v. Mercy Health East Communities et al  
Circuit Court of Lincoln County, Missouri  
Case No. 18L6-CC001119  
Attorney: Paul Venker  
Defense: Missed diagnosis of multiple myeloma

November 10, 2021

Brejanea Burley, et al. v. County of Los Angeles, et al.  
Superior Court of California, County of Los Angeles, South District, Long Beach

Case No. TC 027341  
Attorney: Jill Williams  
Defense: In custody death during restraint

December 3, 2021  
Ruben Briseno vs. City of West Covina, et. al.  
U. S. District Court, Central District of California, Western Division  
Case No.: 2:20-cv-02986-MRW  
Attorney: Melissa Ballard  
Defense: Injuries from use of force

December 16, 2021  
Alexandrew Orellana v. County of Riverside, et al.  
U. S. District Court, Central District of California  
Case No.: 5:19-CV-01263-JGB-SHK  
Attorney: Garros Chan  
Defense: Arrest related death

January 5, 2022  
Christina Gonzalez, et al. v. State of California, et al.  
U.S. District Court Eastern District of California  
Case No.: 1:20-CV-00912-NONE-JLT  
Attorney: Donna Dean  
Defense: Arrest related death

January 10, 2022  
Festus Onuwa Alagba, et al. v. Los Angeles Unified School District, et al.  
Superior Court of the State of California for the County of Los Angeles  
Case No.: 19STCV10897  
Attorney: Clifton Baker  
Defense: Pediatric cardiac arrest

March 1, 2022  
KJP, et. al. v County of San Diego, et. al.  
U.S. District Court, Southern District of California  
Case No. 3:15-cv-02692-H-MDD  
Attorney: Ron Lenert  
Defense: In-custody death, restraint

March 2, 2022  
Jennifer Dold, et al. V. Snohomish County, et al.  
US. District Court, Western District of Washington at Seattle  
Case No. 2:20-cv-00383-RAJ  
Attorney: Nick Gross  
Defense: Arrest related death

March 3, 2022  
Georgia Tsosie, et al v. United States of America

U.S. District Court, District of Arizona  
No.: 20-CV-00384-SPL  
Attorney: Larry Tinsley  
Defense: pediatric intubation

March 17, 2022  
Jeanne Llera, et al. vs. Las Vegas Metropolitan Police Department, et al.  
U.S. District Court, District of Nevada (Las Vegas)  
Case No: 2:20-cv-01589-RFB-BNW  
Attorney: Matt Wolf  
Defense: GSW injuries

March 18, 2022  
Ryan Kime, MD v Adventist Health Clearlake Hospital, et al  
Case No.: 1:16-cv-04502 (YGR)  
U.S District Court Northern District of California Oakland Division  
Attorney: Steve Shear  
Plaintiff: EM physician medical care

March 31, 2022  
Jeanette Dale v Mary V. Hastings, MD  
Case No.: 17SL-CC04155  
Circuit Court of the Coutny of St. Louis, State of Missouri  
Attorney: Chris Vaporean  
Defense: Jail medical care

April 5, 2022  
Angela Malcich et. al. v. St. Louis County et. al.  
Case No: 4:20-CV-01030  
U.S. District Court System, Eastern District of Missouri  
Attorney: Josh Breithaupt  
Defense: Jail medical care

April 19, 2022  
Bough v J Squared General Contractors  
Case No: BCV-20-101708-BCB  
Superior Court of California, County of Kern  
Attorney: Lizel Cerezo  
Defense: Blunt traumatic arrest

May 6, 2022  
Chavez, et al. v. City of Los Angeles  
Case No: 2:18-cv-09684-CJC-PLA  
U.S. District Court, Central District of California  
Attorney: Susan Coleman  
Defense: Arrest related death

May 24, 2022

Michael Buffington, et al. v. United States of America  
U.S. District Court, District of Arizona  
No.: CV-21-08054-PCT-DLR  
Attorney: Larry Tinsley  
Defense: pulmonary embolism

June 27, 2022  
Edward Teller, et al v. United States of America  
U.S. District Court, District of Arizona  
No.: CV-20-08139-PCT-SPL  
Attorney: Larry Tinsley  
Defense: IO insertion

July 21, 2022  
Rhonda Sue Miller v County of Sonoma, et al.  
U.S. District Court, Northern District of California  
Case No: C21-00491-YGR  
Attorney: Noah Blechman  
Defense: Arrest related death

July 26, 2022  
Rose Marie Celestin v City of Ocoee, et al.  
U.S. District Court, Middle District of Florida  
Case No: 6:21-cv-896-RBD-EJK  
Attorney: Frank Mari  
Defense: Arrest related death

August 24, 2022  
Shanae Higgenbotham v. City of Trenton, et al.  
U.S. District Court, New Jersey  
Case No: 17-4344 (FLW)(DEA)  
Attorney: Tracy Riley  
Defense: Arrest related death

January 30, 2023  
Estate of Joshua Adam Fuson, et al. v City of Paducah, Kentucky, et al.  
Commonwealth of Kentucky, McCracken Circuit Court, Division 1  
Case No.: 19-CI-00261  
Attorney: Stacey Blankenship  
Defense: Arrest related death

January 31, 2023  
Marcia Wells, et al. v. Las Vegas Metropolitan Police Department, et al  
U.S. District Court, Nevada  
Case No.: 2:21-cv-01346-JCM-EJY  
Attorney: Craig Anderson  
Defense: Arrest related death

February 2, 2023

I.M., a minor, et al. v. State of California, et al.  
U.S. District Court, Central District of California  
Case No: 2:20-cv-11174 FMO  
Attorney: Shirley Sullinger  
Defense: Arrest related death

February 15, 2023

Julie Fernandez vs City of Los Angeles, et al  
U.S. District Court, Central District of California  
Case No: 2:20-cv-07306-VAP-MRW  
Attorney: Christian Bojorquez  
Defense: Officer involved shooting

February 16, 2023

Nicole Juarez Zelaya v. City of Los Angeles, et al  
U.S. District Court, Central District of California  
Case No: 2:20-cv-08382-ODW-MAA  
Attorney: Collen Smith  
Defense: Arrest related death

March 6, 2023

Jack Moneyham v. USA  
U.S District Court, Southern District of Florida, Miami Division  
Case No: 1:22-cv-21410  
Attorney: Larry Rosen  
Defense: Spinal epidural abscess

March 22, 2023

Martha Steinhauser v Adam Hickman, MD, et al.  
Superior Court of the State of California, for the County of Los Angeles  
Case No.: BC710849  
Attorney: Jeff Grass  
Defense: ER care

May 31, 2023

Daniel Harrison v Wellpath, LLC  
U.S District Court, District of New Mexico  
Case 1:21-cv-00395  
Attorney Daniel Macke  
Defense: Jail care

### **Courtroom Testimony**

July 22, 2019

David Collins, et al v County of San Diego, et al  
San Diego Superior Court

Case No. 37-2017-00028981-CU-PN-CTL

Attorney: Chris Welsh

Defense: hyponatremia at jail

November 15, 2019

Vincent Valenzuela, et. al. v City of Anaheim, et. al.

U.S. District Court of California, Southern Division

Case No. SACV17-02094 CJC

Attorney: Jill Williams

Defense: In Custody Death, Neck hold, TASER

January 29, 2020

Juan Frias vs City of Los Angeles, et al

U.S. District Court, Central District of California

Case No. CV16-4626 PSG (SKx)

Attorney: Christian Bojorquez

Defense: GSW death

February 20, 2020

Peralta v the State of Arizona, et al

U.S. District Court of Arizona

Case No. 17-CV-01868

Attorney: Michael Gaughan

Defense: paraplegia post fall at jail

April 8, 2021

Katrina Eisinger, et al v. City of Anaheim, et al.

Superior Court of the State of California, County of Orange

Case No.:30-2018-010135259 CU-PA-CJC

Attorney: Moses Johnson

Defense: In Custody Death

May 17, 2021

McAtee/George v. CoxHealth, et. al.

Circuit Court of Taney County, Missouri at Forsyth

Case No. : 1946-CC00124

Attorney: Catherine Reade

Defense: Urgent care pediatric heart failure

June 15, 2021

Richard Donastorg v. City of Ontario

U.S. District Court, Central District of California

Case No.: 5:18-cv-00992 JGB (SPx)

Attorney: Daniel Roberts

Defense: Agitation with meth intoxication

August 31, 2021

KJP, et. al. v County of San Diego, et. al.



U.S. District Court, Southern District of California  
Case No. 3:15-cv-02692-H-MDD  
Attorney: Ron Lenert  
Defense: In-custody death, restraint

October 19, 2021  
State of Georgia vs. Henry Lee Copeland, Michael Howell, and Rhett Scott  
Washington Superior Court  
Case No: 18CR46A  
Attorney Pierce Blich  
Defense: In-custody death

March 28, 2022  
Estate of Gerardo Cruz-Sanchez v. United States, et al.  
Case No.: 17CV0569-BEN NLS  
U.S District Court Southern District of California  
Attorney: Dave Wallace  
Defense: Jail medical care

April 1, 2022  
Hattie Mennecke, Erik Mennecke v. Graydon Skeoh, M.D., et al.  
Case No. CIVDS1713937  
Superior Court of the State of California for the County of San Bernardino (Binding Arbitration)  
Attorney: Thomas Bradford  
Defense: Emergency care of altered mental status

June 17, 2022  
Ryan Kime, MD v Adventist Health Clearlake Hospital, et al  
Case No.: 1:16-cv-04502 (YGR)  
U.S District Court Northern District of California Oakland Division  
Attorney: Steve Shear  
Plaintiff: EM physician medical care

October 12, 2022  
Ron Ely v County of Santa Barbara, et al  
U. S. District Court, Central District of California  
Case No: 2:20-cv-06549 DMG (SKx)  
Attorney: Mary Pat Barry  
Defense: Stabbing death

November 7, 2022  
Christopher Lenihan v County of Los Angeles, et al.  
Superior Court of Los Angeles County  
Case No. BC656759  
Attorney: Michele Goldsmith  
Defense: EMS transport of heat related illness

November 30, 2022

Bough v J Squared General Contractors  
Case No: BCV-20-101708-BCB  
Superior Court of California, County of Kern  
Attorney: Lizel Cerezo  
Defense: Blunt traumatic arrest

December 13, 2022  
Anthony Gagliani, vs. Lexington County Sheriff's Department, et. al.  
U.S. District Court District of South Carolina Columbia Division  
Case No.: 3:20-cv-03737-JMC-SVH  
Attorney: David DeMasters  
Defense: Arrest related death

**APPENDIX C**

*Gary Michael Vilke, MD, FACEP, FAAEM  
11582 Normanton Way  
San Diego, California 92131  
(619) 666-8643*

**Fee Schedule**

**FEE SCHEDULE**

For case material review, research, report writing, written communication, deposition and trial preparation, and telephonic or in person meetings: \$750.00/ hour

A retainer for 3 hours (\$2250.00) may be requested in advance.

For deposition and trial testimony: \$1000.00/hour with a two (2) hour minimum. Deposition fees are to be paid at the time of deposition or in advance.

**TRAVEL**

*If travel out of county (more than 50 miles) for deposition or trial is required:*

Business class airline tickets to and from to be paid for by the requesting firm/agency.

Hotel accommodations to be paid for by the requesting firm/agency.

Transportation to and from the airport in the host city to be paid for by the requesting firm/agency.

Time for travel will be billed at the standard review rate up to 4 hours each direction. The time starts at departure from home until arrival in host city, and from departure from host city until arrival home.

*If travel is within the county (less than 50 miles) for deposition or trial is required:*

Time for travel will be billed at the standard review rate up to 4 hours each direction. The time starts at departure from home until arrival at the depo/trial site, and from departure until arrival home.

**CANCELLATION:**

A cancellation fee of \$1000.00 will be charged if a trial or deposition that was to occur in San Diego County is cancelled with less than 48 hours notice from the agreed upon scheduled time.

A cancellation fee of \$2000.00 will be charged if a trial or deposition that was to occur outside of San Diego County is cancelled with less than 72 hours notice from the agreed upon scheduled time outside San Diego County.